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

APPENDICES

TABLES

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_2e	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_2O	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
PFC	perfluorocarbon
PG&E	Pacific Gas & Electric
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
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 2019a). 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 PM_{10} 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 grading and material handling, 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.

During construction and operations, daily unmitigated emissions of ROG, NO_x, and PM_{10} 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 SO_2, 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 PM_{10} 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 PM_{10}, 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 PM_{10}.

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. Cancer, chronic, and acute health risks would be less than significant without mitigation. However, implementation of MM-AQ-2 would further reduce health risk impacts. Also, since asbestos was found in lab samples from the mine, APM-AQ-3 (Asbestos, Serpentinite, and Ultramafic Rock Management Plan (ASUR Plan)) would be implemented and an Asbestos Dust Mitigation Plan would be required to limit potential exposure.

[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.

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. Although the project does not propose the aforementioned odor-generating land uses, there is the possibility that objectionable odors could be produced by the pumped mine water or by sulfide flotation associated with ore processing, which could result in a potentially significant impact without mitigation. Accordingly, MM-AQ-3 (Odor Abatement Plan) would be implemented to reduce potential odor impacts to a less-than-significant level.

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 (CO_2), methane (CH_4), and nitrous oxide (N_2O). GHG emissions are measured in metric tons (MT) of CO_2 equivalent (CO_2e), which accounts for weighted global warming potential factors for CH_4 and N_2O.

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, 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..

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 2019b). For a conservative evaluation, the Sacramento Metropolitan Air Quality Management District construction GHG threshold of 1,100 MT CO_2e 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 CO_2e 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 CO_2e per year during operations. However, the project would exceed the 1,100 MT CO_2e 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 (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter equal to or less than 10 microns (PM_{10}), 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. O_3 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 O_3 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 O_3 concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O_3 formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O_3 exists in the upper atmosphere O_3 layer (stratospheric O_3) and at Earth's surface in the lower atmosphere (tropospheric O_3).[3] The O_3 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 O_3 is a harmful air pollutant that causes numerous adverse health effects and is thus considered "bad" O_3. Stratospheric, or "good," O_3 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 O_3 layer, plant and animal life would be seriously harmed.

O_3 in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O_3 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 O_3 causes inflammation and irritation of the tissues lining human airways, causing and worsening a variety of symptoms. Exposure to O_3 can reduce the volume of air that the lungs breathe in and cause shortness of breath. O_3 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 O_3 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 O_3 exposure. While there are relatively few studies of O_3'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 O_3 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 O_3 concentrations are the highest, are at the greatest risk of harm from this pollutant (CARB 2019b).

Nitrogen Dioxide. NO_2 is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO_2 in the atmosphere is the oxidation of the primary air pollutant nitric oxide (NO), which is a colorless, odorless gas. NO_x, which includes NO_2 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 SO_2 (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).

SO_2 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 SO_2-induced increase in resistance is greater than in healthy people, and it increases with the severity of their asthma (NRC 2005). SO_2 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 PM_{10} represent fractions of particulate matter. Coarse particulate matter (PM_{10}) is about 1/7 the thickness of a human hair. Major sources of PM_{10} 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 PM_{10} 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 PM_{10} 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. PM_{10} 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 PM_{10}. 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 world-wide, based on the World Health Organization's Global Burden of Disease Project. Short-term exposures to PM_{10} 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

PM_{10} are less clear, although several studies suggest a link between long-term PM_{10} 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 SO_2 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 O_3 are referred to and regulated as ROGs. 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 O_3 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 2019a).

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 O_3 protection measures, and enforcement provisions. Under the Clean Air Act, NAAQS are established for the following criteria pollutants: O_3, CO, NO_2, SO_2, PM_{10}, $PM_{2.5}$, 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 O_3, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and those based on annual averages or arithmetic mean) are not to be exceeded more than once per year. NAAQS for O_3, NO_2, SO_2, PM_{10}, 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 OOO)**: 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.

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 O_3, CO, SO_2 (1-hour and 24-hour), NO_2, PM_{10}, $PM_{2.5}$, 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/m³)	—	Same as primary standard[f]
	8 hours	0.070 ppm (137 µg/m³)	0.070 ppm (137 µg/m³)[f]	
NO_2[g]	1 hour	0.18 ppm (339 µg/m³)	0.100 ppm (188 µg/m³)	Same as primary standard
	Annual arithmetic mean	0.030 ppm (57 µg/m³)	0.053 ppm (100 µg/m³)	
CO	1 hour	20 ppm (23 mg/m³)	35 ppm (40 mg/m³)	None
	8 hours	9.0 ppm (10 mg/m³)	9 ppm (10 mg/m³)	
SO_2[h]	1 hour	0.25 ppm (655 µg/m³)	0.075 ppm (196 µg/m³)	—
	3 hours	—	—	0.5 ppm (1,300 µg/m³)
	24 hours	0.04 ppm (105 µg/m³)	0.14 ppm (for certain areas)[g]	—
	Annual	—	0.030 ppm (for certain areas)[g]	—
PM_{10}[i]	24 hours	50 µg/m³	150 µg/m³	Same as primary standard
	Annual arithmetic mean	20 µg/m³	—	
$PM_{2.5}$[i]	24 hours	—	35 µg/m³	Same as primary standard
	Annual arithmetic mean	12 µg/m³	12.0 µg/m³	15.0 µg/m³
Lead[j,k]	30-day average	1.5 µg/m³	—	—
	Calendar quarter	—	1.5 µg/m³ (for certain areas)[k]	Same as primary standard
	Rolling 3-month average	—	0.15 µg/m³	
Hydrogen sulfide	1 hour	0.03 ppm (42 µg/m³)	—	—
Vinyl chloride[j]	24 hours	0.01 ppm (26 µg/m³)	—	—
Sulfates	24- hours	25 µg/m³	—	—

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: O_3 = ozone; ppm = parts per million by volume; μg/m³ = micrograms per cubic meter; NO_2 = nitrogen dioxide; CO = carbon monoxide; mg/m³= milligrams per cubic meter; SO_2 = sulfur dioxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; PST = Pacific Standard Time.

[a] California standards for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, suspended particulate matter (PM_{10}, $PM_{2.5}$), 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 O_3, NO_2, SO_2, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O_3 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 PM_{10}, 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 O_3 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 SO_2 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 SO_2 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 PM_{10} 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 O_3 standard. Additionally, CARB has designated Nevada County as a nonattainment area for the state O_3 and PM_{10} 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 O_3 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/m³	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/m³	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/m³	Maximum 24-hour concentration	Federal	35	11.7	68.1	142.8	0.0 (0)	3.0 (1)	12.1 (12)
	µg/m³	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 O_3 and particulate matter. Daily exceedances for particulate matter are estimated days because PM_{10} 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 O_3, annual PM_{10}, 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 PM_{10} 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 O_3 precursors are intended to serve as a surrogate for an "O_3 significance threshold" (i.e., the potential for adverse O_3 impacts to occur). This approach is used because O_3 is not emitted directly (see the discussion of O_3 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}
	Pounds per Day		
Level A Thresholds	<24	<24	<79
Level B Thresholds	24–136	24–136	79–136
Level C Thresholds	>136	>136	>136

Source: NSAQMD 2019a.
Notes: ROG = reactive organic gas; NO_x = oxides of nitrogen; PM_{10} = particulate matter with an aerodynamic diameter less than or equal to 10 microns.

If unmitigated emissions of ROG, NO_x, and/or PM_{10} exceed 136 pounds per day (Level C), then there is a potentially significant impact; if mitigated emissions of ROG, NO_x, and/or PM_{10} 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 2019a).

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. 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, and Table 5, Construction On-Road 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
		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

Table 4. Construction Off-Road Equipment Assumptions

Construction Phase	Schedule (Month/Year)	Equipment				
		Equipment Type	*Fuel*	*Quantity*	*Usage Hours Per Day*	*Days Per Week*
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 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	16.8	12	202	3,744	62,899
Pickup Trucks	15	8	120	2,496	37,440
Foundation and concrete contractor					
Workers	16.8	16	269	4,992	83,866
Pickup Trucks	15	8	120	2,496	37,440
Concrete Trucks	5	2	10	624	3,120
Grading and paving contractor					
Workers	16.8	12	202	3,744	62,899
Water Trucks	10	2	20	624	6,240
Haul Trucks	5	2	10	624	3,120
Building contractor					

Table 5. Construction 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	20	336	6,240	104,832
Pickup Trucks	15	8	120	2,496	37,440
Ironworkers (headframes)					
Workers	16.8	16	269	800	13,440
Pickup Trucks	15	8	120	400	6,000
Electrical and mechanical contractors					
Workers	16.8	20	336	6,240	104,832
Pickup Trucks	15	8	120	2,496	37,440
Potable water installation					
Workers	16.8	12	202	1,224	20,563
Water Trucks	10	2	20	204	2,040
Haul Trucks	20	2	40	204	4,080
PG&E power line work					
Workers	16.8	10	168	780	13,104
Haul Trucks	20	2	40	156	3,120
Underground shaft contractors					
Workers	16.8	10	168	2,740	46,032
Raise bore contractor					
Workers	16.8	8	134	480	8,064
Underground construction					
Workers	16.8	10	168	1,210	20,328
Mine Dewatering					
Workers	16.8	N/A	N/A	N/A	N/A

Notes: N/A = not applicable; 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.
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.

The criteria air pollutant and TAC emissions inventory was developed based on the assumptions in Table 4 and Table 5. 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 grading and material handling (total of 233,000 cubic yards of cut and 242,500 cubic yards of fill), 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; and factors from the California Emissions Estimator Model (CalEEMod) for fugitive dust, 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 PM_{10} and $PM_{2.5}$ emissions. The project would implement Applicant Proposed Measure (APM)-AQ-2 (Surface Fugitive Dust Controls), which would limit fugitive dust (PM_{10} 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. Additionally, 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.[4] 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. Although the following sequence could 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 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. 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.

[4] 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.

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
	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
Engineered Fill Placement at the Centennial Industrial Site and Brunswick Industrial Site (Surface)	Dozer	Diesel	1	4	5
	Grader	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 road dust generation. Emission calculation equations and assumptions were primarily derived from CalEEMod. 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. 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 are shown in Table 7, Operations On-Road Vehicle Trip Assumptions.

Table 7. Operations 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)
Year 2022 to Year 2026 – Engineered Fill to Centennial Site					
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
Year 2027 to Year 2032 – Engineered Fill to Brunswick Site					
Engineered Fill Haul Trucks	0.25	200	50	36,500	9,125
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
Year 2033 to Year 2102 – Engineered Fill to Other Customers					
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

Table 7. Operations 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	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, a haul truck trip length of 0.25 miles was assumed based on the estimated distance from the ore processing facility to the engineered fill drop-off area on the Brunswick Industrial Site.
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.

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, with the exception of the haul trucks, where a specific speed was assumed for the 2027 scenario. For the 2027 scenario, haul trucks were assumed to travel from the ore processing facility to the engineered fill drop-off area on the Brunswick Industrial Site, and were estimated to travel at 20 miles per hour.

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, freight trucks, explosive trucks, and concentrate trucks were assumed to be heavy-heavy-duty trucks that are diesel-fueled. The fuel trucks and cement delivery 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.

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,[5] tire wear,[6] and brake wear[7] 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 PM_{10} and $PM_{2.5}$.

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

Starting exhaust tailpipe[8] emissions were estimated for all pollutants. Hot soak evaporative[9] emissions, running loss evaporative[10] emissions, resting loss evaporative[11] emissions, and diurnal evaporative[12] 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 2016.3.2 User's Guide (CAPCOA 2017) 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 idling[13] 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.

5 Running exhaust emissions come out of the vehicle tailpipe while traveling on the road.
6 Tire wear particulate matter emissions originate from tires as a result of wear.
7 Brake wear particulate matter emissions originate from brake usage.
8 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.
9 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.
10 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.
11 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.
12 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.
13 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.

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 PM_{10} and $PM_{2.5}$ emission factors were developed pursuant to the CalEEMod 2016.3.2 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.

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 detonators[14] 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 ANFO (AP-42 Chapter 13.3 – Explosives Detonation and Chapter 11.9 – Western Surface Coal Mining) (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 PM_{10} and $PM_{2.5}$ for conveyance/transfer of the ore to the processing building (AP-42 Chapter 11.19.2 – Crushed

[14] 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.

Stone Processing and Pulverized Mineral Processing) (EPA 2004). 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), which would result in emissions of ROG. ROG emissions were estimated based on factors included in the reagent-specific Material Safety Data Sheets.

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 and grader. Fugitive dust emissions associated with the earthwork activities (i.e., material transfers to/from trucks and fill spreading at the Centennial and Brunswick Industrial Sites) were estimated using default equations and assumptions from CalEEMod based on 1,000-ton-per-day material transfer and 0.5-acre per 8-hour-day potential disturbance associated with each dozer and grader. Notably, for fill transported to off-site industrial sites (for year 2033 and beyond), emissions associated with grading 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 2017).

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 2017). 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 8, Reclamation Off-Road Equipment Assumptions, and Table 9, Reclamation On-Road Vehicle Trip Assumptions.

Table 8. 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 9. 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 6, 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).[15] 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.

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

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. The applicant has prepared an Asbestos, Serpentinite, and Ultramafic Rock Management Plan (ASUR Plan) which is designed to exclude asbestos containing material, serpentinite, or ultramafic rock from the engineered fill produced by the project (Rise Grass Valley Inc. 2021). The ASUR plan also is designed to prevent the emission of dust from the underground mine which contains asbestos. For conservatism in the modelling of TAC emissions, the materials mined and engineered fill are assumed to be composed of 1% serpentinite with an asbestos content of 0.25%, which is the detection limit for the bulk asbestos testing proposed in the ASUR plan. The average asbestos content of the total mined material, assumed at 0.0025%, 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 PM_{10} emissions estimated, emissions of asbestos, silica, and heavy metals were estimated for purposes of the health risk modeling. As described in the ASUR Plan, the project would employ ventilation engineering controls systems for all mine headings where tunneling is taking place in serpentinite containing asbestos. The engineering controls will be designed to prevent asbestos fibers from exhausting from tunneling areas into the main ventilation system of the underground mine and consequently from being exhausted from the underground mine to surface. Engineering controls would include air filtration designed to remove 95% of asbestos fibers. 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 19191, 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 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. A unit emission 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,[16] 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).

[16] 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:
    - All off-road diesel-fueled equipment and emergency generators owned by Rise Grass Valley Inc. shall be equipped with Tier 4 Final engines.
    - 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.
    - 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 during construction, operation, and reclamation to reduce surface fugitive dust emissions:

- 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.
- All on-site roadways shall be paved as soon as possible after grading.

APM-AQ-3: Asbestos, Serpentinite, and Ultramafic Rock Management Plan (ASUR Plan). Rise Grass Valley Inc. shall implement the ASUR Plan, which incorporates measures designed to exclude asbestos containing material, serpentinite, or ultramafic rock from the engineered fill produced by the project, as well as prevent 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 provides measures to ensure that Engineered Fill (barren rock and sand tailings) placed and compacted on surface:

1) Does not contain serpentinite or ultramafic rock, thereby eliminating the potential source of naturally occurring asbestos from mined material.

2) Is not asbestos-containing material, verified by testing of all material before use as Engineered Fill.

The ASUR Plan also provides measures to ensure that dust containing asbestos is not emitted from the ventilation exhaust of the underground mine by:

1) Locating serpentinite and ultramafic rock before mining.

2) Minimizing and avoiding mining of serpentinite and ultramafic rock to the extent feasible.

3) Preventing dust from mining or handling of serpentinite and ultramafic rock from entering the mine ventilation system and exhausting to surface through the use of air filtration systems with at least 95% filtration efficiency for all respirable particulate matter.

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 O_3 standards. The County is also designated as nonattainment for the state PM_{10} 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 O_3 precursors (ROG and NO_x) to attain the federal 8-hour O_3 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 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.

To address the criterion of whether the project would exceed the NSAQMD CEQA significance thresholds for O_3 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. Detailed assumptions associated with project construction and operations emission calculations are included in Appendix A.

Table 10 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 PM_{10}. Per the NSAQMD, unmitigated project-generated emissions that are greater than zero are potentially significant and require mitigation.[17] While no numeric thresholds have been established for CO, SO_x, or $PM_{2.5}$, emissions are presented for disclosure.

Table 10. Maximum Daily Project Emissions – Unmitigated

Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	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[b]	1.53	5.22	10.85	0.04	3.40	0.98
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Emergency Generator Testing[c]	0.47	9.37	24.35	0.13	0.09	0.09
Earthwork – Disturbed Areas/Material Handling[b]	—	—	—	—	1.43	0.21
Architectural Coatings	2.64	—	—	—	—	—
Asphalt Off-Gassing	0.38	—	—	—	—	—
Maximum Total Daily Emissions	**11.85**	**68.42**	**86.03**	**0.26**	**7.23**	**3.44**
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]	0.69	6.84	26.98	0.05	0.07	0.07

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

Table 10. Maximum Daily Project Emissions – Unmitigated

Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
On-Road Vehicles[b]	1.90	23.41	6.53	0.05	16.61	4.39
Emergency Generator Testing[c]	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	—	—	—	—	4.12	0.57
Reagent Off-Gassing	2.25	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Earthwork – Disturbed Areas/Material Handling[b]	—	—	—	—	0.24	0.03
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	**8.81**	**64.83**	**144.60**	**2.22**	**22.84**	**5.77**
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 2027 to 2032 – Mining, Brunswick Industrial Site Operations, Fill Placement at Brunswick Industrial Site						
Off-Road Equipment[a]	0.69	6.84	26.98	0.05	0.07	0.07
On-Road Vehicles[b]	1.23	16.93	5.54	0.09	14.94	3.91
Emergency Generator Testing[c]	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	—	—	—	—	4.12	0.57
Reagent Off-Gassing	2.25	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Earthwork – Disturbed Areas/Material Handling[b]	—	—	—	—	0.24	0.03
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	**8.14**	**58.35**	**143.62**	**2.26**	**21.17**	**5.29**
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 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location						
Off-Road Equipment[a]	0.31	5.03	13.17	0.02	0.02	0.02
On-Road Vehicles[b]	1.49	76.50	10.89	0.35	76.31	19.72

Table 10. Maximum Daily Project Emissions – Unmitigated

Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Emergency Generator Testing[c]	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	—	—	—	—	4.12	0.57
Reagent Off-Gassing	2.25	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Earthwork – Disturbed Areas/Material Handling[b]	—	—	—	—	0.00	0.00
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	**8.02**	**116.12**	**135.16**	**2.49**	**82.26**	**21.03**
NSAQMD Significance Threshold Level[d]	*Level A (<24)*	*Level B (24-136)*	*N/A*	*N/A*	*Level B (79-136)*	*N/A*
Significant (Yes/No or Potentially)?[e]	Potentially	Potentially	No	No	Potentially	No
Year 2103 – Reclamation						
Off-Road Equipment[a]	0.08	0.32	3.91	0.01	0.01	0.01
On-Road Vehicles[b]	0.19	0.36	0.90	0.01	0.48	0.13
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Maximum Total Daily Emissions	**0.39**	**0.68**	**4.81**	**0.01**	**0.49**	**0.14**
NSAQMD Significance Threshold Level[d]	*Level A (<24)*	*Level A (<24)*	*N/A*	*N/A*	*Level A (<79)*	*N/A*
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; PM_{10} = 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 APM-AQ-2 (Surface Fugitive Dust Controls), a control efficiency of 55% was included when calculating the emissions of PM_{10} and $PM_{2.5}$ during grading and fill spreading to account for water truck fugitive dust control. Also, all on-site roads were assumed to be paved.

[c] 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.

[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 the combustion of ANFO and detonators for blasting.

As shown in Table 10, daily unmitigated emissions of ROG, NO_x and PM_{10} 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 SO_2, 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, 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, PM_{10}, 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 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 11 presents the maximum daily project-generated mobile source emissions by air district based on the assumptions discussed above for informational purposes only.

Table 11. Maximum Daily Project 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; PM_{10} = 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 O_3, for which the MCAB is designated as nonattainment with respect to the NAAQS and CAAQS. As discussed previously, the health effects associated with O_3 are generally associated with reduced lung function. The contribution of ROG and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the MCAB due to O_3 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 O_3 concentrations would also depend on the time of year that the ROG emissions would occur because exceedances of the O_3 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 O_3 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 O_3 concentrations and the associated health effects.

Health effects that result from NO_x (including NO_2) 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 NO_2 because the MCAB is designated as in attainment of the

NAAQS and CAAQS for NO_2, and the existing NO_2 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 PM_{10} 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 PM_{10}, 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 O_3) 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 10 (i.e., unmitigated emissions) reflect the reductions that would occur with implementation of APM-AQ-1 and APM-AQ-2. Table 12 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).[18] No additional reductions could be quantified for MM-AQ-1, which are the NSAQMD recommended mitigation measures that are applicable to the project (NSAQMD 2019a).

Table 12. Maximum Daily Project Emissions – Mitigated

Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	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[b]	1.53	5.22	10.85	0.04	3.40	0.98
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Emergency Generator Testing[c]	0.47	9.37	24.35	0.13	0.09	0.09

[18] 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 12. Maximum Daily Project Emissions – Mitigated

Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Earthwork – Disturbed Areas/Material Handling[b]	—	—	—	—	1.43	0.21
Architectural Coatings	2.64	—	—	—	—	—
Asphalt Off-Gassing	0.38	—	—	—	—	—
Maximum Total Daily Emissions	**8.39**	**30.55**	**89.28**	**0.26**	**5.53**	**1.88**
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]	0.69	6.84	26.98	0.05	0.07	0.07
On-Road Vehicles[b]	1.90	23.41	6.53	0.05	16.61	4.39
Emergency Generator Testing[c]	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	—	—	—	—	4.12	0.57
Reagent Off-Gassing	2.25	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Earthwork – Disturbed Areas/Material Handling[b]	—	—	—	—	0.24	0.03
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	**8.81**	**64.83**	**144.60**	**2.22**	**22.84**	**5.77**
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 2027 to 2032 – Mining, Brunswick Industrial Site Operations, Fill Placement at Brunswick Industrial Site						
Off-Road Equipment[a]	0.69	6.84	26.98	0.05	0.07	0.07
On-Road Vehicles[b]	1.23	16.93	5.54	0.09	14.94	3.91
Emergency Generator Testing[c]	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	—	—	—	—	4.12	0.57
Reagent Off-Gassing	2.25	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—

Table 12. Maximum Daily Project Emissions – Mitigated

Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Earthwork – Disturbed Areas/Material Handling[b]	—	—	—	—	0.24	0.03
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	**8.14**	**58.35**	**143.62**	**2.26**	**21.17**	**5.29**
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 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location						
Off-Road Equipment[a]	0.31	5.03	13.17	0.02	0.02	0.02
On-Road Vehicles[b]	1.49	76.50	10.89	0.35	76.31	19.72
Emergency Generator Testing[c]	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	—	—	—	—	4.12	0.57
Reagent Off-Gassing	2.25	—	—	—	—	—
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Earthwork – Disturbed Areas/Material Handling[b]	—	—	—	—	0.00	0.00
Architectural Coatings	0.26	—	—	—	—	—
Consumer Products	2.65	—	—	—	—	—
Maximum Total Daily Emissions	**8.02**	**116.12**	**135.16**	**2.49**	**82.26**	**21.03**
NSAQMD Significance Threshold Level[d]	*Level A (<24)*	*Level B (24-136)*	*N/A*	*N/A*	*Level B (79-136)*	*N/A*
Significant (Yes/No or Potentially)?[e]	No	No	No	No	No	No
Year 2103 – Reclamation						
Off-Road Equipment[a]	0.08	0.32	3.91	0.01	0.01	0.01
On-Road Vehicles[b]	0.19	0.36	0.90	0.01	0.48	0.13
Diesel Fuel Tanks – Breathing/Working	0.12	—	—	—	—	—
Maximum Total Daily Emissions	**0.39**	**0.68**	**4.81**	**0.01**	**0.49**	**0.14**
NSAQMD Significance Threshold Level[d]	*Level A (<24)*	*Level A (<24)*	*N/A*	*N/A*	*Level A (<79)*	*N/A*
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; PM_{10} = 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 APM-AQ-2 (Surface Fugitive Dust Controls), a control efficiency of 55% was included when calculating the emissions of PM_{10} and $PM_{2.5}$ during grading and fill spreading to account for water truck fugitive dust control. Also, all on-site roads were assumed to be paved.

[c] 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.

[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 the 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 12, ROG, NO_x, and PM_{10} 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 PM_{10}, 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 PM_{10}.

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 PM_{10} 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 13.

Table 13. 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]	8.0	0.3	0.008
NSAQMD Significance Criteria	10	1.0	1.0
Exceed Threshold?	**No**	**No**	**No**
Mitigated Project[c]			
Maximally Exposed Individual Resident[b]	4.6	0.3	0.008
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 exclude asbestos containing material, serpentinite, or ultramafic rock from the engineered fill produced by the project, as well as engineering controls that ensure 95% of any potential asbestos fibers generated from underground mining will be prevented from exhausting to the surface.

[b] The maximally 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 13, the incremental cancer risk at the maximally exposed individual resident of 8.0 in 1 million (assuming exposure starts in 3rd trimester) from project construction and operation would not exceed the NSAQMD threshold of 10 in 1 million. Additionally, with incorporation of higher-tier engines during construction, as included in MM-AQ-2, the project would result in an incremental cancer risk of 4.6 in 1 million. The unmitigated and mitigated chronic hazard index would be 0.3 and 0.3 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 0.008 and 0.008 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.

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 2019a). 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 14. Model input and output data are provided in Appendix D.

Table 14. CALINE4 Predicted Carbon Monoxide Concentrations

Intersection	Maximum Modeled Impact (ppm)	
	1-Hour	*8-Hour*[a]
Near-Term Existing Plus Project		
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
Year 2035 Plus Project		
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 14, 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 exclude asbestos containing material, serpentinite, or ultramafic rock from the engineered fill produced by the project, as well as engineering

controls, such as air filtration, that ensure 95% of any potential asbestos fibers generated from underground mining will be prevented from 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,[19] 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 4.6 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. Although the project does not propose the

[19] 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.

aforementioned odor-generating land uses, there is the possibility that objectionable odors could be produced by the pumped mine water or by sulfide flotation associated with ore processing, which could result in a potentially significant impact without mitigation. Accordingly, MM-AQ-3 would be implemented to reduce potential odor impacts to a less-than-significant level.

Mitigation Measures

MM-AQ-3 **Odor Abatement Plan.** Rise Grass Valley Inc. shall develop an Odor Abatement Plan (OAP) for the project, prior to obtaining building construction permits, to be implemented over the life of the project. The OAP shall include the following:

- Description of potential odor sources at the facility.
- Name and telephone number of contact person(s) at the facility responsible for logging and responding to odor complaints.
- Protocol describing the actions to be taken when an odor complaint is received, including the training provided to the staff on how to respond.
- Description of potential methods for reducing odors, including process changes, facility modifications, and/or feasible add-on air pollution control equipment.
- Contingency measures to curtail emissions in the event of a public nuisance complaint.

Level of Significance After Mitigation

After implementation of mitigation, potential odor impacts would be less than significant.

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 15 are for informational purposes only.[20,21]

Table 15. Emergency Generator Emissions During 24-Hour Power Outage

Source	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Construction						
Two Emergency Generators	3.60	71.92	187.00	0.99	0.72	0.71
Operations						
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; PM_{10} = 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.

20 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.

21 "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 (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3) (see also 14 CCR 15364.5).[22] Some GHGs, such as CO_2, CH_4, and N_2O, are emitted into the atmosphere through natural processes

[22] 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, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Manufactured GHGs have a much greater heat-absorption potential than CO_2 and include fluorinated gases, such as HFCs, PFCs, and SF_6, which are associated with certain industrial products and processes. The following paragraphs provide a summary of the most common GHGs and their sources.[23]

Carbon Dioxide. CO_2 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 CO_2 include respiration of bacteria, plants, animals, and fungi; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO_2 are the combustion of fuels such as coal, oil, natural gas, and wood, and changes in land use.

Methane. CH_4 is produced through both natural and human activities. CH_4 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. N_2O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N_2O. Sources of N_2O 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 N_2O 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 O_3-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 O_3-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 O_3- 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:** SF_6 is a colorless gas soluble in alcohol and ether and slightly soluble in water. SF_6 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:** NF_3 is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

[23] 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 O_3.

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 O_3, which is created by photochemical reactions involving gases from both natural sources and human activities acts as a GHG. Stratospheric O_3, 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 O_3 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 CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) of CO_2 equivalent (CO_2e).

The current version of CalEEMod (Version 2016.3.2) assumes that the GWP for CH_4 is 25 (so emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O 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—CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6—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—CO_2, CH_4, N_2O, 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 CO_2 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 CO_2 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 CO_2 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 CO_2 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) CO_2e. 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 CO_2e).

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 CO_2e to 431 MMT CO_2e.

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 CO_2e per capita by 2030, and no more than 2 MT CO_2e 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.[24]

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,

[24] *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 CO_2e 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 CO_2e 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 CH_4 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, CH_4, 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 CALGreen standards took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings and schools and hospitals. The CALGreen 2016 standards, which are the current standards, became effective January 1, 2017. The CALGreen 2019 standards will continue to improve upon the 2016 CALGreen standards, and will go into effect on January 1, 2020. The mandatory standards require the following (24 CCR Part 11):

- Mandatory reduction in indoor water use through compliance with specified flow rates for plumbing fixtures and fittings
- Mandatory reduction in outdoor water use through compliance with a local water efficient landscaping ordinance or the California Department of Water Resources' Model Water Efficient Landscape Ordinance
- 65% of construction and demolition waste must be diverted from landfills
- Mandatory inspections of energy systems to ensure optimal working efficiency
- Inclusion of electric vehicle charging stations or designated spaces capable of supporting future charging stations
- Low-pollutant-emitting exterior and interior finish materials, such as paints, carpets, vinyl flooring, and particle boards

The CALGreen standards also include voluntary efficiency measures that are provided at two tiers and implemented at the discretion of local agencies and applicants. CALGreen's Tier 1 standards call for a 15% improvement in energy requirements, stricter water conservation, 65% diversion of construction and demolition waste, 10% recycled content in building materials, 20% permeable paving, 20% cement reduction, and cool/solar-reflective roofs. CALGreen's more rigorous Tier 2 standards call for a 30% improvement in energy requirements, stricter water conservation, 80% diversion of construction and demolition waste, 15% recycled content in building materials, 30% permeable paving, 25% cement reduction, and cool/solar-reflective roofs.

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; dishwaters; 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 CO_2 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 CO_2e 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.

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 and AB 341. In 1989, AB 939, known as the Integrated Waste Management Act (PRC Sections 40000 et seq.), was passed because of the increase in waste stream and the decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. 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 2000.

AB 341 (Chapter 476, Statutes of 2011 [Chesbro]) 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 2020, and annually thereafter. In addition, AB 341

required the California Department of Resources Recycling and Recovery to develop strategies to achieve the state's policy goal.

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 CO_2e, 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 CO_2e (PBL 2018). Table 16 presents the top GHG-emissions-producing countries.

Table 16. Six Top Greenhouse Gas Producer Countries and the European Union

Emitting Countries (listed in order of emissions)	Greenhouse Gas Emissions (MMT CO_2e)
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 CO_2e = 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 CO_2e in 2017 (EPA 2019). The largest source of CO_2, and of overall GHG emissions, was fossil fuel combustion, which accounted for approximately 93.2% of CO_2 emissions in 2017 (4,912.0 MMT CO_2e). 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 CO_2e) 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 CO_2e in 2017, 5 MMT CO_2e lower than 2016 levels and 7 MMT CO_2e below the 2020 GHG limit of 431 MMT CO_2e (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 17.

Table 17. Greenhouse Gas Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO_2e)	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%
High GWP	19.9	4.7%
Recycling & Waste	8.9	2.1%
Total	**424.0**	**100%**

Source: CARB 2019i.
Notes: GHG = greenhouse gas; MMT CO_2e = 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 CO_2e.

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 9ºF 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 2019b). 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)).[25] 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, 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 CO_2e per year for the construction or operational phase of land use development projects, or 10,000 direct MT CO_2e 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 CO_2e 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 CO_2e per year bright line threshold, then the project's GHG emissions can be compared to the efficiency thresholds. These thresholds are 4.5 MT CO_2e per-capita for residential projects in an urban area, and 5.5 MT CO_2e per-capita for residential projects in a rural area. For nonresidential development, the thresholds are 26.5 MT CO_2e per 1,000 square feet for projects in urban areas, and 27.3 MT CO_2e per 1,000 square feet for projects in rural areas. The PCAPCD bright-line GHG threshold of 10,000 MT CO_2e 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 CO_2e per year would be deemed to have a cumulatively considerable contribution to global climate change (PCAPCD 2017).
- The BAAQMD has adopted 1,100 MT CO_2e 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 CO_2e per year as the significance threshold for operational GHG emissions from stationary-source projects, and an efficiency threshold of 4.6 MT CO_2e 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 CO_2e 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 CO_2e 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 CO_2e 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 CO_2e per year threshold in numerous CEQA documents where those air districts are the lead agency.

[25] 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."

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 CH_4 and N_2O are from CalEEMod for PG&E. The CO_2 emission factor is from PG&E's reported intensity for 2017 (PG&E 2019).

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. 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, and solid waste 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 CO_2, CH_4, and N_2O 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 CH_4 and N_2O 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 CO_2 is removed from the atmosphere and deposited into a carbon reservoir (e.g., vegetation). Trees and vegetation take in CO_2 from the atmosphere during photosynthesis, break down the CO_2, 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 CO_2 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 CO_2 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, 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, and solid waste. Detailed assumptions associated with project construction and operational GHG emission calculations are included in Appendix A.

Table 18 shows the estimated annual unmitigated GHG emissions associated with construction and operation of the project.

Table 18. Estimated Annual Greenhouse Gas Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	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	767.75	0.02	0.08	791.04
PG&E-Supplied Electricity	1,572.93	0.22	0.05	1,592.13
			Total Annual Emissions	**3,763.86**
			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]	774.05	0.23	0.10	809.89
On-Road Vehicles	919.66	0.02	0.08	943.32
Underground Blasting/Mining[c]	68.79	0.00	0.00	69.05
PG&E-Supplied Electricity	4,725.84	0.65	0.14	4,783.53
NID-Supplied Potable Water	5.64	0.00	0.00	5.71
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	**7,363.15**
			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]	773.98	0.22	0.10	809.39
On-Road Vehicles	726.93	0.01	0.05	743.51
Underground Blasting/Mining[c]	68.79	0.00	0.00	69.05
PG&E-Supplied Electricity	4,725.84	0.65	0.14	4,783.53
NID-Supplied Potable Water	1.97	0.00	0.00	2.00
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	**7,159.11**
			GHG Threshold	*10,000*
			Significant (Yes/No)?	No
Year 2033 to 2102 – Mining, Brunswick Industrial Site Operations, Fill Placement at Off-Site Location				
Emergency Generators[a]	603.53	0.02	0.01	606.88
Off-Road Equipment[b]	316.85	0.02	0.01	320.01
On-Road Vehicles	3,014.13	0.01	0.42	3,139.87

Table 18. Estimated Annual Greenhouse Gas Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Underground Blasting/Mining[c]	68.79	0.00	0.00	69.05
PG&E-Supplied Electricity	4,725.84	0.65	0.14	4,783.53
NID-Supplied Potable Water	1.97	0.00	0.00	2.00
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	**9,066.09**
			GHG Threshold	*10,000*
			Significant (Yes/No)?	No
Year 2103 – Reclamation				
Off-Road Equipment[b]	25.86	0.00	0.00	26.02
On-Road Vehicles	19.61	0.00	0.00	20.07
			Total Annual Emissions	**46.09**
			GHG Threshold	*10,000*
			Significant (Yes/No)?	No

Source: Appendix A.
Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = 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 18, the project would not exceed the applied threshold of 10,000 MT CO_2e per year during operations. However, the project would exceed the 1,100 MT CO_2e 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, 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 19 presents the estimated annual project-generated mobile source GHG emissions by air district for informational purposes only.

Table 19. Estimated Annual Mobile Source Greenhouse Gas Emissions by Air District

Emission Source	CO_2	CH_4	N_2O	CO_2e
	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; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = 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 CO_2e) 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 2,664 MT CO_2e, which was calculated by subtracting 1,100 MT CO_2e (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 CO_2e 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 20 details the project's consistency with each of the County EAP energy reduction strategies.

Table 20. Project Consistency with Nevada County Energy Action Plan Energy Reduction Measures

Strategy Number	Strategy Description	Project Consistency
Goal 1: Energy Efficiency – Improve Energy Efficiency in Buildings, Facilities, and Nevada County Operations		
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.
Goal 2: Renewable Energy – Expand the Utilization of Renewable Energy and Resilience Measures		
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.
Goal 3: Water Energy – Encourage the Efficient and Safe Transportation and Use of Water Resources		
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.

Table 20. Project Consistency with Nevada County Energy Action Plan Energy Reduction Measures

Strategy Number	Strategy Description	Project Consistency
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 20 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.[26] 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 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.

[26] 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).

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 - With Emergency Generator Testing

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	1.53	5.22	10.85	0.04	3.40	0.98	0.28	1.33	1.82	0.01	0.76	0.22	767.75	0.02	0.08	791.04
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	--	--	--	--	--	--	--	--	--	--	--	--	1,572.93	0.22	0.05	1,592.13
Earthwork - Disturbed Areas/Material Handling	--	--	--	--	1.43	0.21	--	--	--	--	0.13	0.02	--	--	--	--
Architectural Coatings	2.64	--	--	--	--	--	0.09	--	--	--	--	--	--	--	--	--
Asphalt Offgassing	0.38	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--
TOTALS	**11.85**	**68.42**	**86.03**	**0.26**	**7.23**	**3.44**	**1.23**	**8.10**	**9.07**	**0.02**	**1.16**	**0.49**	**3,672.38**	**0.54**	**0.26**	**3,763.86**

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	0.69	6.84	26.98	0.05	0.07	0.07	0.13	1.25	4.92	0.01	0.01	0.01	774.05	0.23	0.10	809.89
Onroad Vehicles	1.90	23.41	6.53	0.05	16.61	4.39	0.26	1.45	0.71	0.01	1.27	0.34	919.66	0.02	0.08	943.32
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	--	--	--	--	4.12	0.57	--	--	--	--	0.75	0.10	--	--	--	--
Reagent Offgassing	2.25	--	--	--	--	--	0.41	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	4,725.84	0.65	0.14	4,783.53
Earthwork - Disturbed Areas/Material Handling	--	--	--	--	0.24	0.03	--	--	--	--	0.03	0.00	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	5.64	0.00	0.00	5.71
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	**8.81**	**64.83**	**144.60**	**2.22**	**22.84**	**5.77**	**1.34**	**6.05**	**18.23**	**0.36**	**2.37**	**0.56**	**7,172.36**	**3.71**	**0.33**	**7,363.15**

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	0.69	6.84	26.98	0.05	0.07	0.07	0.13	1.25	4.92	0.01	0.01	0.01	773.98	0.22	0.10	809.39
Onroad Vehicles	1.23	16.93	5.54	0.09	14.94	3.91	0.18	0.98	0.60	0.01	1.12	0.30	726.93	0.01	0.05	743.51
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	--	--	--	--	4.12	0.57	--	--	--	--	0.75	0.10	--	--	--	--
Reagent Offgassing	2.25	--	--	--	--	--	0.41	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	4,725.84	0.65	0.14	4,783.53
Earthwork - Disturbed Areas/Material Handling	--	--	--	--	0.24	0.03	--	--	--	--	0.03	0.00	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	1.97	0.00	0.00	2.00
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	**8.14**	**58.35**	**143.62**	**2.26**	**21.17**	**5.29**	**1.25**	**5.59**	**18.12**	**0.36**	**2.22**	**0.52**	**6,975.89**	**3.70**	**0.30**	**7,159.11**

Idaho-Maryland Mine Project
Unmitigated Total Emissions - With Emergency Generator Testing

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
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	0.31	5.03	13.17	0.02	0.02	0.02	0.06	0.92	2.40	0.00	0.00	0.00	316.85	0.02	0.01	320.01
Onroad Vehicles	1.49	76.50	10.89	0.35	76.31	19.72	0.18	6.45	1.06	0.03	6.72	1.74	3,014.13	0.01	0.42	3,139.87
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	--	--	--	--	4.12	0.57	--	--	--	--	0.75	0.10	--	--	--	--
Reagent Offgassing	2.25	--	--	--	--	--	0.41	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	4,725.84	0.65	0.14	4,783.53
Earthwork - Disturbed Areas/Material Handling	--	--	--	--	0.00	0.00	--	--	--	--	0.00	0.00	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	1.97	0.00	0.00	2.00
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	**8.02**	**116.12**	**135.16**	**2.49**	**82.26**	**21.03**	**1.18**	**10.73**	**16.06**	**0.38**	**7.78**	**1.95**	**8,805.96**	**3.49**	**0.58**	**9,066.09**

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	0.01	0.01	25.86	0.00	0.00	26.02
Onroad Vehicles	0.19	0.36	0.90	0.01	0.48	0.13	0.01	0.01	0.03	0.00	0.02	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**	**0.49**	**0.14**	**0.03**	**0.03**	**0.19**	**0.00**	**0.03**	**0.01**	**45.47**	**0.00**	**0.00**	**46.09**

Notes:

1. For maximum daily emissions, all diesel generators were convservatively 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[1] Total Emissions - With Emergency Generator Testing

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	1.53	5.22	10.85	0.04	3.40	0.98	0.28	1.33	1.82	0.01	0.76	0.22	767.75	0.02	0.08	791.04
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	--	--	--	--	--	--	--	--	--	--	--	--	1,572.93	0.22	0.05	1,592.13
Earthwork - Disturbed Areas/Material Handling	--	--	--	--	1.43	0.21	--	--	--	--	0.13	0.02	--	--	--	--
Architectural Coatings	2.64	--	--	--	--	--	0.09	--	--	--	--	--	--	--	--	--
Asphalt Offgassing	0.38	--	--	--	--	--	0.01	--	--	--	--	--	--	--	--	--
TOTALS	**8.39**	**30.55**	**89.28**	**0.26**	**5.53**	**1.88**	**0.83**	**3.67**	**9.60**	**0.02**	**0.96**	**0.31**	**3,672.38**	**0.54**	**0.26**	**3,763.86**

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	0.69	6.84	26.98	0.05	0.07	0.07	0.13	1.25	4.92	0.01	0.01	0.01	774.05	0.23	0.10	809.89
Onroad Vehicles	1.90	23.41	6.53	0.05	16.61	4.39	0.26	1.45	0.71	0.01	1.27	0.34	919.66	0.02	0.08	943.32
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	--	--	--	--	4.12	0.57	--	--	--	--	0.75	0.10	--	--	--	--
Reagent Offgassing	2.25	--	--	--	--	--	0.41	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	4,725.84	0.65	0.14	4,783.53
Earthwork - Disturbed Areas/Material Handling	--	--	--	--	0.24	0.03	--	--	--	--	0.03	0.00	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	5.64	0.00	0.00	5.71
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	**8.81**	**64.83**	**144.60**	**2.22**	**22.84**	**5.77**	**1.34**	**6.05**	**18.23**	**0.36**	**2.37**	**0.56**	**7,172.36**	**3.71**	**0.33**	**7,363.15**

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	0.69	6.84	26.98	0.05	0.07	0.07	0.13	1.25	4.92	0.01	0.01	0.01	773.98	0.22	0.10	809.39
Onroad Vehicles	1.23	16.93	5.54	0.09	14.94	3.91	0.18	0.98	0.60	0.01	1.12	0.30	726.93	0.01	0.05	743.51
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	--	--	--	--	4.12	0.57	--	--	--	--	0.75	0.10	--	--	--	--
Reagent Offgassing	2.25	--	--	--	--	--	0.41	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	4,725.84	0.65	0.14	4,783.53
Earthwork - Disturbed Areas/Material Handling	--	--	--	--	0.24	0.03	--	--	--	--	0.03	0.00	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	1.97	0.00	0.00	2.00
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	**8.14**	**58.35**	**143.62**	**2.26**	**21.17**	**5.29**	**1.25**	**5.59**	**18.12**	**0.36**	**2.22**	**0.52**	**6,975.89**	**3.70**	**0.30**	**7,159.11**

Idaho-Maryland Mine Project

Mitigated[1] Total Emissions - With Emergency Generator Testing

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
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	0.31	5.03	13.17	0.02	0.02	0.02	0.06	0.92	2.40	0.00	0.00	0.00	316.85	0.02	0.01	320.01
Onroad Vehicles	1.49	76.50	10.89	0.35	76.31	19.72	0.18	6.45	1.06	0.03	6.72	1.74	3,014.13	0.01	0.42	3,139.87
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	--	--	--	--	4.12	0.57	--	--	--	--	0.75	0.10	--	--	--	--
Reagent Offgassing	2.25	--	--	--	--	--	0.41	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	4,725.84	0.65	0.14	4,783.53
Earthwork - Disturbed Areas/Material Handling	--	--	--	--	0.00	0.00	--	--	--	--	0.00	0.00	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	1.97	0.00	0.00	2.00
Wastewater Septic Field	--	--	--	--	--	--	--	--	--	--	--	--	--	0.33	0.00	8.52
Solid Waste	--	--	--	--	--	--	--	--	--	--	--	--	41.55	2.46	--	102.94
TOTALS	**8.02**	**116.12**	**135.16**	**2.49**	**82.26**	**21.03**	**1.18**	**10.73**	**16.06**	**0.38**	**7.78**	**1.95**	**8,805.96**	**3.49**	**0.58**	**9,066.09**

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	0.01	0.01	25.86	0.00	0.00	26.02
Onroad Vehicles	0.19	0.36	0.90	0.01	0.48	0.13	0.01	0.01	0.03	0.00	0.02	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**	**0.49**	**0.14**	**0.03**	**0.03**	**0.19**	**0.00**	**0.03**	**0.01**	**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 convservatively 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	0.69	6.84	26.98	0.05	0.07	0.07	4,675.33	1.37	0.61	0.13	1.25	4.92	0.01	0.01	0.01	853.25	0.25	0.11	892.75
Year 2027 -Year 2032																			
Mining, Brunswick Site, Fill Placement at Brunswick	0.69	6.84	26.98	0.05	0.07	0.07	4,674.89	1.35	0.60	0.13	1.25	4.92	0.01	0.01	0.01	853.17	0.25	0.11	892.20
Year 2033 - 2102																			
Mining, Brunswick Site, Fill Placement Off-Site	0.31	5.03	13.17	0.02	0.02	0.02	1,913.80	0.12	0.05	0.06	0.92	2.40	0.00	0.00	0.00	349.27	0.02	0.01	352.75
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	**0.69**	**6.84**	**26.98**	**0.05**	**0.07**	**0.07**	**4,675.33**	**1.37**	**0.61**										
MAXIMUM ANNUAL - TONS										**0.13**	**1.25**	**4.92**	**0.01**	**0.01**	**0.01**	**853.25**	**0.25**	**0.11**	**892.75**
MAXIMUM ANNUAL - METRIC TONS																**774.05**	**0.23**	**0.10**	**809.89**

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 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	Manlift, Tier 4F	Aerial Lifts	2022	20	25	0.31	0.120	2.750	4.100	0.005	0.008	0.008	525.074	0.170	0.076	0.002	0.036	0.056	0.000	0.000	0.000	7.177	0.002	0.001
Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	2022	150	175	0.4	0.060	0.260	3.700	0.005	0.008	0.008	474.589	0.153	0.069	0.008	0.033	0.489	0.001	0.001	0.001	62.774	0.020	0.009
Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	2022	30	50	0.7	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.068	0.030	0.006	0.121	0.190	0.000	0.000	0.000	26.309	0.003	0.001
Operations - Centennial Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	2022	305	500	0.43	0.060	0.260	2.200	0.005	0.008	0.008	479.311	0.155	0.069	0.017	0.071	0.636	0.001	0.002	0.002	138.578	0.045	0.020
Operations - Centennial Fill Placement	Grader, Tier 4F	Graders	2022	185	250	0.41	0.060	0.260	2.200	0.005	0.008	0.008	474.239	0.153	0.069	0.010	0.041	0.368	0.001	0.001	0.001	79.298	0.026	0.011
Operations - Centennial Fill Placement	Excavator, Tier 4F	Excavators	2022	525	750	0.38	0.060	0.260	2.200	0.005	0.008	0.008	469.289	0.152	0.068	0.026	0.108	0.968	0.002	0.003	0.003	206.392	0.067	0.030
Operations - Centennial Fill Placement	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	468.129	0.151	0.068	0.015	0.062	0.555	0.001	0.002	0.002	118.142	0.038	0.017
Operations - Centennial Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	2022	60	120	0.3	0.120	2.740	3.700	0.006	0.008	0.008	568.299	0.029	0.013	0.005	0.103	0.147	0.000	0.000	0.000	22.551	0.001	0.001
Operations - Centennial Fill Placement	Mobile auger blending plant, Tier 4F	Other General Industrial Equipment	2022	300	500	0.56	0.060	0.260	2.200	0.005	0.008	0.008	472.929	0.153	0.069	0.022	0.091	0.815	0.002	0.003	0.003	175.152	0.057	0.025
Year 2027 - Year 2032	**Engineered Fill to Brunswick (6 yrs)**																							
Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	2025	20	25	0.37	0.120	2.750	4.100	0.005	0.008	0.008	527.861	0.171	0.077	0.002	0.043	0.067	0.000	0.000	0.000	8.611	0.003	0.001
Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	2025	20	25	0.31	0.120	2.750	4.100	0.005	0.008	0.008	525.074	0.170	0.076	0.002	0.036	0.056	0.000	0.000	0.000	7.177	0.002	0.001
Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	2025	150	175	0.4	0.060	0.260	3.700	0.005	0.008	0.008	474.748	0.154	0.069	0.008	0.033	0.489	0.001	0.001	0.001	62.795	0.020	0.009
Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	2025	30	50	0.7	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.054	0.024	0.006	0.121	0.190	0.000	0.000	0.000	26.309	0.002	0.001
Operations - Brunkswick Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	2025	305	500	0.43	0.060	0.260	2.200	0.005	0.008	0.008	479.092	0.155	0.069	0.017	0.071	0.636	0.001	0.002	0.002	138.515	0.045	0.020
Operations - Brunkswick Fill Placement	Grader, Tier 4F	Graders	2025	185	250	0.41	0.060	0.260	2.200	0.005	0.008	0.008	473.470	0.153	0.069	0.010	0.041	0.368	0.001	0.001	0.001	79.170	0.026	0.011
Operations - Brunkswick Fill Placement	Excavator, Tier 4F	Excavators	2025	525	750	0.38	0.060	0.260	2.200	0.005	0.008	0.008	468.558	0.152	0.068	0.026	0.108	0.968	0.002	0.003	0.003	206.071	0.067	0.030
Operations - Brunkswick Fill Placement	Front-end loader, Tier 4F	Rubber Tired Loaders	2025	318	500	0.36	0.060	0.260	2.200	0.005	0.008	0.008	469.143	0.152	0.068	0.015	0.062	0.555	0.001	0.002	0.002	118.398	0.038	0.017
Operations - Brunkswick Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	2025	60	120	0.3	0.120	2.740	3.700	0.006	0.008	0.008	568.299	0.023	0.010	0.005	0.103	0.147	0.000	0.000	0.000	22.551	0.001	0.000
Operations - Brunkswick Fill Placement	Mobile auger blending plant, Tier 4F	Other General Industrial Equipment	2025	300	500	0.56	0.060	0.260	2.200	0.005	0.008	0.008	472.929	0.153	0.069	0.022	0.091	0.815	0.002	0.003	0.003	175.152	0.057	0.025
Year 2033 - Year 2102	**Engineered Fill to Off-Site Industrial**																							
Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	2030	20	25	0.37	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.061	0.027	0.002	0.043	0.067	0.000	0.000	0.000	9.271	0.001	0.000
Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	2030	20	25	0.31	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.061	0.027	0.002	0.036	0.056	0.000	0.000	0.000	7.767	0.001	0.000
Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	2030	150	175	0.4	0.060	0.260	3.700	0.006	0.008	0.008	568.299	0.022	0.010	0.008	0.033	0.489	0.001	0.001	0.001	75.169	0.003	0.001
Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	2030	30	50	0.7	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.040	0.018	0.006	0.121	0.190	0.000	0.000	0.000	26.309	0.002	0.001
Year 2103	**Reclamation**																							
Reclamation	Forklift, Tier 4F	Forklifts	2030	100	120	0.4	0.060	0.260	3.700	0.006	0.008	0.008	568.299	0.025	0.011	0.005	0.022	0.326	0.001	0.001	0.001	50.113	0.002	0.001
Reclamation	Crane, Tier 4F	Cranes	2030	231	250	0.29	0.060	0.260	2.200	0.006	0.008	0.008	568.299	0.020	0.009	0.009	0.036	0.325	0.001	0.001	0.001	83.926	0.003	0.001

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
Jan-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
Jan-21			**TOTAL**				**3380**		**4.09**	**32.77**	**28.49**	**0.05**	**1.37**	**1.28**	**4,904.20**	**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																											
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 - 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
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
Feb-21			**TOTAL**				**4979**		**6.71**	**53.84**	**47.41**	**0.10**	**2.30**	**2.15**	**8,925.30**	**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																											
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 - 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
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
Mar-21			**TOTAL**				**4979**		**6.71**	**53.84**	**47.41**	**0.10**	**2.30**	**2.15**	**8,925.30**	**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																											
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
Apr-21			**TOTAL**				**4670**		**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

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	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	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
May-21			**TOTAL**				**4670**		**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**
Jun-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	4	6	103	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
Jun-21			**TOTAL**				**3380**		**4.09**	**32.77**	**28.49**	**0.05**	**1.37**	**1.28**	**4,904.20**	**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																												
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 - 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
Jul-21			**TOTAL**				**3896**		**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**
Aug-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 - 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			**TOTAL**				**3896**		**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																												
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

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
Oct-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
Brunswick Industrial Site - Undergound 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 - Undergound 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
Oct-21			**TOTAL**				**5306**		**4.40**	**34.93**	**46.46**	**0.08**	**1.40**	**1.32**	**7,194.83**	**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																											
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 - 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 - Undergound 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 - Undergound 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
Nov-21			**TOTAL**				**5616**		**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**
Dec-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 - 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 - Undergound 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 - Undergound 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			**TOTAL**				**5616**		**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)**																										
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	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	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	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	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	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	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	0.08	0.03	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.001	9.79
Centennial Industrial Site	Operations - Centennial Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	1	4	7	122	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	Grader, Tier 4F	Graders	1	4	7	122	Off-Road	0.04	0.16	1.47	0.00	0.00	0.00	317.19	0.10	0.05	0.001	0.003	0.022	0.000	0.000	0.000	4.824	0.002	0.001	5.07
Centennial Industrial Site	Operations - Centennial Fill Placement	Excavator, Tier 4F	Excavators	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	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	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
Centennial Industrial Site	Operations - Centennial Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	1	3	7	91	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 auger blending plant, Tier 4F	Other General Industrial Equipm	1	4	7	122	On-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
Year 2022 - Year 2026			**TOTAL**				**3072**		**0.69**	**6.84**	**26.98**	**0.05**	**0.07**	**0.07**	**4,675.33**	**1.37**	**0.61**	**0.01**	**0.10**	**0.41**	**0.00**	**0.00**	**0.00**	**71.10**	**0.02**	**0.01**	**74.40**
ANNUAL SUMMARY - MAXIMUM									**0.69**	**6.84**	**26.98**	**0.05**	**0.07**	**0.07**	**4,675.33**	**1.37**	**0.61**	0.01	0.10	0.41	0.00	0.00	0.00	71.10	0.02	0.01	74.40
ANNUAL TOTAL - TONS																		0.13	1.25	4.92	0.01	0.01	0.01	853.25	0.25	0.11	892.75
ANNUAL TOTAL - METRIC TONS																								**774.05**	**0.23**	**0.10**	**809.89**
Year 2027 - Year 2032	**Engineered Fill to Brunswick (6 yrs)**																										
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	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	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	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	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	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	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	0.08	0.03	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.000	9.75
Centennial Industrial Site	Operations - Brunkswick Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	1	4	7	122	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

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	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**				**2373**		**0.31**	**5.03**	**13.17**	**0.02**	**0.02**	**0.02**	**1,913.80**	**0.12**	**0.05**	**0.00**	**0.08**	**0.20**	**0.00**	**0.00**	**0.00**	**29.11**	**0.00**	**0.00**	**29.40**
ANNUAL SUMMARY - MAXIMUM									**0.31**	**5.03**	**13.17**	**0.02**	**0.02**	**0.02**	**1,913.80**	**0.12**	**0.05**	0.00	0.08	0.20	0.00	0.00	0.00	29.11	0.00	0.00	29.40
ANNUAL TOTAL - TONS																		0.06	0.92	2.40	0.00	0.00	0.00	349.27	0.02	0.01	352.75
ANNUAL TOTAL - METRIC TONS																								**316.85**	**0.02**	**0.01**	**320.01**
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**

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	0.69	6.84	26.98	0.05	0.07	0.07	4,675.33	1.37	0.61	0.13	1.25	4.92	0.01	0.01	0.01	853.25	0.25	0.11	892.75
Year 2027 -Year 2032																			
Mining, Brunswick Site, Fill Placement at Brunswick	0.69	6.84	26.98	0.05	0.07	0.07	4,674.89	1.35	0.60	0.13	1.25	4.92	0.01	0.01	0.01	853.17	0.25	0.11	892.20
Year 2033 - 2102																			
Mining, Brunswick Site, Fill Placement Off-Site	0.31	5.03	13.17	0.02	0.02	0.02	1,913.80	0.12	0.05	0.06	0.92	2.40	0.00	0.00	0.00	349.27	0.02	0.01	352.75
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	**0.69**	**6.84**	**26.98**	**0.05**	**0.07**	**0.07**	**4,675.33**	**1.37**	**0.61**										
MAXIMUM ANNUAL - TONS										**0.13**	**1.25**	**4.92**	**0.01**	**0.01**	**0.01**	**853.25**	**0.25**	**0.11**	**892.75**
MAXIMUM ANNUAL - METRIC TONS																**774.05**	**0.23**	**0.10**	**809.89**

Idaho-Maryland Mine Project

Off-Road Equipment Emission Factors - Mitigated

ɟation Includes Tier 4 Engines in All Equipment >= 50 hp

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	Manlift, Tier 4F	Aerial Lifts	2022	20	25	0.31	0.120	2.750	4.100	0.005	0.008	0.008	525.074	0.170	0.076	0.002	0.036	0.056	0.000	0.000	0.000	7.177	0.002	0.001
Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	2022	150	175	0.4	0.060	0.260	3.700	0.005	0.008	0.008	474.589	0.153	0.069	0.008	0.033	0.489	0.001	0.001	0.001	62.774	0.020	0.009
Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	2022	30	50	0.7	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.068	0.030	0.006	0.121	0.190	0.000	0.000	0.000	26.309	0.003	0.001
Operations - Centennial Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	2022	305	500	0.43	0.060	0.260	2.200	0.005	0.008	0.008	479.311	0.155	0.069	0.017	0.071	0.636	0.001	0.002	0.002	138.578	0.045	0.020
Operations - Centennial Fill Placement	Grader, Tier 4F	Graders	2022	185	250	0.41	0.060	0.260	2.200	0.005	0.008	0.008	474.239	0.153	0.069	0.010	0.041	0.368	0.001	0.001	0.001	79.298	0.026	0.011
Operations - Centennial Fill Placement	Excavator, Tier 4F	Excavators	2022	525	750	0.38	0.060	0.260	2.200	0.005	0.008	0.008	469.289	0.152	0.068	0.026	0.108	0.968	0.002	0.003	0.003	206.392	0.067	0.030
Operations - Centennial Fill Placement	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	468.129	0.151	0.068	0.015	0.062	0.555	0.001	0.002	0.002	118.142	0.038	0.017
Operations - Centennial Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	2022	60	120	0.3	0.120	2.740	3.700	0.006	0.008	0.008	568.299	0.029	0.013	0.005	0.103	0.147	0.000	0.000	0.000	22.551	0.001	0.001
Operations - Centennial Fill Placement	Mobile auger blending plant, Tier 4F	Other General Industrial Equipment	2022	300	500	0.56	0.060	0.260	2.200	0.005	0.008	0.008	472.929	0.153	0.069	0.022	0.091	0.815	0.002	0.003	0.003	175.152	0.057	0.025
Year 2027 - Year 2032	**Engineered Fill to Brunswick (6 yrs)**																							
Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	2025	20	25	0.37	0.120	2.750	4.100	0.005	0.008	0.008	527.861	0.171	0.077	0.002	0.043	0.067	0.000	0.000	0.000	8.611	0.003	0.001
Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	2025	20	25	0.31	0.120	2.750	4.100	0.005	0.008	0.008	525.074	0.170	0.076	0.002	0.036	0.056	0.000	0.000	0.000	7.177	0.002	0.001
Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	2025	150	175	0.4	0.060	0.260	3.700	0.005	0.008	0.008	474.748	0.154	0.069	0.008	0.033	0.489	0.001	0.001	0.001	62.795	0.020	0.009
Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	2025	30	50	0.7	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.054	0.024	0.006	0.121	0.190	0.000	0.000	0.000	26.309	0.002	0.001
Operations - Brunkswick Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	2025	305	500	0.43	0.060	0.260	2.200	0.005	0.008	0.008	479.092	0.155	0.069	0.017	0.071	0.636	0.001	0.002	0.002	138.515	0.045	0.020
Operations - Brunkswick Fill Placement	Grader, Tier 4F	Graders	2025	185	250	0.41	0.060	0.260	2.200	0.005	0.008	0.008	473.470	0.153	0.069	0.010	0.041	0.368	0.001	0.001	0.001	79.170	0.026	0.011
Operations - Brunkswick Fill Placement	Excavator, Tier 4F	Excavators	2025	525	750	0.38	0.060	0.260	2.200	0.005	0.008	0.008	468.558	0.152	0.068	0.026	0.108	0.968	0.002	0.003	0.003	206.071	0.067	0.030
Operations - Brunkswick Fill Placement	Front-end loader, Tier 4F	Rubber Tired Loaders	2025	318	500	0.36	0.060	0.260	2.200	0.005	0.008	0.008	469.143	0.152	0.068	0.015	0.062	0.555	0.001	0.002	0.002	118.398	0.038	0.017
Operations - Brunkswick Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	2025	60	120	0.3	0.120	2.740	3.700	0.006	0.008	0.008	568.299	0.023	0.010	0.005	0.103	0.147	0.000	0.000	0.000	22.551	0.001	0.000
Operations - Brunkswick Fill Placement	Mobile auger blending plant, Tier 4F	Other General Industrial Equipment	2025	300	500	0.56	0.060	0.260	2.200	0.005	0.008	0.008	472.929	0.153	0.069	0.022	0.091	0.815	0.002	0.003	0.003	175.152	0.057	0.025
Year 2033 - Year 2102	**Engineered Fill to Off-Site Industrial**																							
Operations - Brunswick Site	Skid steer / forklift, Tier 4F	Skid Steer Loaders	2030	20	25	0.37	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.061	0.027	0.002	0.043	0.067	0.000	0.000	0.000	9.271	0.001	0.000
Operations - Brunswick Site	Manlift, Tier 4F	Aerial Lifts	2030	20	25	0.31	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.061	0.027	0.002	0.036	0.056	0.000	0.000	0.000	7.767	0.001	0.000
Operations - Brunswick Site	Rough Terrain Crane (50t), Tier 4F	Cranes	2030	150	175	0.4	0.060	0.260	3.700	0.006	0.008	0.008	568.299	0.022	0.010	0.008	0.033	0.489	0.001	0.001	0.001	75.169	0.003	0.001
Operations - Brunswick Site	Portable generator / welder, Tier 4F	Welders	2030	30	50	0.7	0.120	2.750	4.100	0.007	0.008	0.008	568.299	0.040	0.018	0.006	0.121	0.190	0.000	0.000	0.000	26.309	0.002	0.001
Year 2103	**Reclamation**																							
Reclamation	Forklift, Tier 4F	Forklifts	2030	100	120	0.4	0.060	0.260	3.700	0.006	0.008	0.008	568.299	0.025	0.011	0.005	0.022	0.326	0.001	0.001	0.001	50.113	0.002	0.001
Reclamation	Crane, Tier 4F	Cranes	2030	231	250	0.29	0.060	0.260	2.200	0.006	0.008	0.008	568.299	0.020	0.009	0.009	0.036	0.325	0.001	0.001	0.001	83.926	0.003	0.001

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
Jan-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	0.01	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	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	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	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	Rollor 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 - 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
Jan-21		**TOTAL**					**3380**		**2.11**	**10.86**	**30.13**	**0.05**	**0.41**	**0.40**	**4,904.20**	**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																											
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	0.01	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	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	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	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	Rollor 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
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	0.04	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	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	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	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	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	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
Feb-21		**TOTAL**					**4979**		**3.25**	**15.97**	**54.08**	**0.10**	**0.60**	**0.60**	**8,925.30**	**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																											
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	0.01	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	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	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	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	Rollor 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 - 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 - 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	0.04	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	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	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	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	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	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
Mar-21		**TOTAL**					**4979**		**3.25**	**15.97**	**54.08**	**0.10**	**0.60**	**0.60**	**8,925.30**	**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																											
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	0.01	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	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	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	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	Rollor 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 - 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

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	Rollor 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 - 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 - 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	0.04	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	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	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	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	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	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
May-21			**TOTAL**				**4670**		**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**
Jun-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	0.01	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	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	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	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	Rollor 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 - 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
Jun-21			**TOTAL**				**3380**		**2.11**	**10.86**	**30.13**	**0.05**	**0.41**	**0.40**	**4,904.20**	**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																												
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	0.01	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	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	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	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	Rollor 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 - 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
Jul-21			**TOTAL**				**3896**		**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**
Aug-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	0.01	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	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	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	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	Rollor 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 - 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			**TOTAL**				**3896**		**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																												
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	0.01	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	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	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	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

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
Oct-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	0.01	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	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	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	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	Rollor 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	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
Brunswick Industrial Site - Undergound 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 - Undergound 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
Oct-21			**TOTAL**				**5306**		**2.42**	**13.02**	**48.11**	**0.08**	**0.44**	**0.44**	**7,194.83**	**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																											
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	0.01	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	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	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	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	Rollor 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 - Undergound 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 - Undergound 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
Nov-21			**TOTAL**				**5616**		**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**
Dec-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	0.01	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	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	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	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	Rollor 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 - Undergound 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 - Undergound 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			**TOTAL**				**5616**		**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)**																										
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	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	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	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	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	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	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	0.08	0.03	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.001	9.79
Centennial Industrial Site	Operations - Centennial Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	1	4	7	122	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	Grader, Tier 4F	Graders	1	4	7	122	Off-Road	0.04	0.16	1.47	0.00	0.00	0.00	317.19	0.10	0.05	0.001	0.003	0.022	0.000	0.000	0.000	4.824	0.002	0.001	5.07
Centennial Industrial Site	Operations - Centennial Fill Placement	Excavator, Tier 4F	Excavators	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	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	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
Centennial Industrial Site	Operations - Centennial Fill Placement	Mobile Tire pressure washing system, Tier 4F	Pumps	1	3	7	91	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 auger blending plant, Tier 4F	Other General Industrial Equipm	1	4	7	122	On-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
Year 2022 - Year 2026			**TOTAL**				**3072**		**0.69**	**6.84**	**26.98**	**0.05**	**0.07**	**0.07**	**4,675.33**	**1.37**	**0.61**	**0.01**	**0.10**	**0.41**	**0.00**	**0.00**	**0.00**	**71.10**	**0.02**	**0.01**	**74.40**
ANNUAL SUMMARY - MAXIMUM									**0.69**	**6.84**	**26.98**	**0.05**	**0.07**	**0.07**	**4,675.33**	**1.37**	**0.61**	0.01	0.10	0.41	0.00	0.00	0.00	71.10	0.02	0.01	74.40
ANNUAL TOTAL - TONS																		0.13	1.25	4.92	0.01	0.01	0.01	853.25	0.25	0.11	892.75
ANNUAL TOTAL - METRIC TONS																								**774.05**	**0.23**	**0.10**	**809.89**
Year 2027 - Year 2032	**Engineered Fill to Brunswick (6 yrs)**																										
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	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	Manlift, Tier 4F	Aerial Lifts	1	6	7	183	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	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	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	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	0.08	0.03	0.002	0.044	0.069	0.000	0.000	0.000	9.603	0.001	0.000	9.75
Centennial Industrial Site	Operations - Brunkswick Fill Placement	Dozer, Tier 4F	Rubber Tired Dozers	1	4	7	122	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 - Brunkswick Fill Placement	Grader, Tier 4F	Graders	1	4	7	122	Off-Road	0.04	0.16	1.47	0.00	0.00	0.00	316.68	0.10	0.05	0.001	0.003	0.022	0.000	0.000	0.000	4.816	0.002	0.001	5.06

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	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**				**2373**		**0.31**	**5.03**	**13.17**	**0.02**	**0.02**	**0.02**	**1,913.80**	**0.12**	**0.05**	**0.00**	**0.08**	**0.20**	**0.00**	**0.00**	**0.00**	**29.11**	**0.00**	**0.00**	**29.40**
ANNUAL SUMMARY - MAXIMUM									**0.31**	**5.03**	**13.17**	**0.02**	**0.02**	**0.02**	**1,913.80**	**0.12**	**0.05**	0.00	0.08	0.20	0.00	0.00	0.00	29.11	0.00	0.00	29.40
ANNUAL TOTAL - TONS																		0.06	0.92	2.40	0.00	0.00	0.00	349.27	0.02	0.01	352.75
ANNUAL TOTAL - METRIC TONS																								**316.85**	**0.02**	**0.01**	**320.01**
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 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 (3-axle)	Diesel	Aggregate	0.246	4.125	0.635	0.011	0.234	0.147	1,135.579	0.011	0.178
Concrete Trucks	MHDT (3-axle)	Diesel	Aggregate	0.246	4.125	0.635	0.011	0.234	0.147	1,135.579	0.011	0.178
Water Trucks	MHDT (3-axle)	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	2.209	0.542
Fuel Trucks	MHDT (3-axle)	1.024	0.251
Concrete Trucks	MHDT (3-axle)	1.024	0.251
Water Trucks	MHDT (3-axle)	1.024	0.251
Pick-up Trucks	LHDT2	0.990	0.243
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 (3-axle)	Diesel	0.000	1.287	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Concrete Trucks	MHDT (3-axle)	Diesel	0.000	1.287	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water Trucks	MHDT (3-axle)	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 (3-axle)	Diesel	0.027	2.045	0.442	0.002	0.006	0.006	190.639	0.001	0.030
Concrete Trucks	MHDT (3-axle)	Diesel	0.027	2.045	0.442	0.002	0.006	0.006	190.639	0.001	0.030
Water Trucks	MHDT (3-axle)	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

2021 Construction Mobile Source Assumptions Summary

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

Project Management, Engineers, Surveyors

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

	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
	0.01	0.05	0.53	0.00	0.02	0.01	138.57	0.00	0.00	139.86
Subtotal	*0.18*	*0.57*	*1.38*	*0.01*	*0.07*	*0.04*	*556.37*	*0.01*	*0.05*	*570.88*

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

	PM10	PM2.5
	Paved Road - PM only	
	0.26	0.06
	0.13	0.03
Subtotal	*0.40*	*0.10*

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Pick-up Trucks	LHDT2	8	2,496
	LDA, LDT1 & LDT2		
Workers	Composite	12	3,744

	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	0.01	0.00	0.00	0.00	0.08	0.00	0.00	0.13
	0.04	0.01	0.09	0.00	0.00	0.00	1.77	0.00	0.00	2.11
Subtotal	*0.04*	*0.01*	*0.09*	*0.00*	*0.00*	*0.00*	*1.85*	*0.00*	*0.00*	*2.25*

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	40	12,480

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.01	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	*0.01*	*0.10*	*0.07*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Project Management, Engineers, Surveyors TOTAL	**0.24**	**0.68**	**1.54**	**0.01**	**0.46**	**0.13**	**558.23**	**0.02**	**0.05**	**573.13**

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 (3-axle)	5	2	10	624	3,120
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
	LDA, LDT1 & LDT2					
Workers	Composite	16.8	16	269	4,992	83,866

	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
Subtotal	*0.19*	*0.68*	*1.57*	*0.01*	*0.08*	*0.04*	*627.60*	*0.01*	*0.05*	*643.72*

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 (3-axle)	5	2	10	624	3,120
Pick-up Trucks	LHDT2	15	8	120	2,496	37,440
	LDA, LDT1 & LDT2					
Workers	Composite	16.8	16	269	4,992	83,866

	PM10	PM2.5
	Paved Road - PM only	
	0.02	0.01
	0.26	0.06
	0.18	0.04
Subtotal	*0.46*	*0.11*

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Concrete Trucks	MHDT (3-axle)	2	624
Pick-up Trucks	LHDT2	8	2,496
	LDA, LDT1 & LDT2		
Workers	Composite	16	4,992

	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	0.01	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	0.08	0.00	0.00	0.13
	0.05	0.01	0.11	0.00	0.00	0.00	2.36	0.00	0.00	2.82
Subtotal	*0.06*	*0.02*	*0.12*	*0.00*	*0.00*	*0.00*	*2.44*	*0.00*	*0.00*	*2.95*

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Concrete Trucks	MHDT (3-axle)	10	3,120
Pick-up Trucks	LHDT2	40	12,480

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.00	0.05	0.01	0.00	0.00	0.00	4.20	0.00	0.00	4.40
	0.01	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	*0.01*	*0.14*	*0.08*	*0.00*	*0.00*	*0.00*	*4.20*	*0.00*	*0.00*	*4.40*
Foundation and Concrete Contractor TOTAL	**0.26**	**0.84**	**1.77**	**0.01**	**0.54**	**0.16**	**634.24**	**0.02**	**0.05**	**651.07**

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
Water Trucks	MHDT (3-axle)	10	2	20	624	6,240
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
Water Trucks	MHDT (3-axle)	10	2	20	624	6,240
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	2	624
Water Trucks	MHDT (3-axle)	2	624
Workers	LDA, LDT1 & LDT2 Composite	12	3,744

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	10	3,120
Water Trucks	MHDT (3-axle)	10	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	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	8	2,496
Workers	LDA, LDT1 & LDT2 Composite	20	6,240

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	40	12,480

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

Grading & Paving Contractor

	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
	0.06	0.47	0.11	0.00	0.02	0.01	107.36	0.00	0.02	112.47
	0.01	0.05	0.53	0.00	0.02	0.01	138.57	0.00	0.00	139.86
Subtotal	*0.08*	*0.60*	*0.65*	*0.00*	*0.04*	*0.02*	*278.05*	*0.01*	*0.03*	*285.96*

	PM10	PM2.5
Paved Road - PM only		
	0.04	0.01
	0.07	0.02
	0.13	0.03
Subtotal	*0.24*	*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
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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*

	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
Subtotal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Grading & Paving Contractor **TOTAL**	**0.08**	**0.60**	**0.65**	**0.00**	**0.28**	**0.08**	**278.05**	**0.01**	**0.03**	**285.96**

Building Contractor

	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*	*0.04*	*648.75*	*0.01*	*0.05*	*664.12*

	PM10	PM2.5
Paved Road - PM only		
	0.26	0.06
	0.22	0.05
Subtotal	*0.48*	*0.12*

	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	0.01	0.00	0.00	0.00	0.08	0.00	0.00	0.13
	0.06	0.02	0.14	0.00	0.00	0.00	2.95	0.00	0.00	3.52
Subtotal	*0.07*	*0.02*	*0.15*	*0.00*	*0.00*	*0.00*	*3.03*	*0.00*	*0.00*	*3.66*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Idling										
	0.01	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	*0.01*	*0.10*	*0.07*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Building Contractor **TOTAL**	**0.27**	**0.72**	**1.95**	**0.01**	**0.56**	**0.16**	**651.78**	**0.02**	**0.05**	**667.78**

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	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	8	2,496
Workers	LDA, LDT1 & LDT2 Composite	20	6,240

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	40	12,480

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	8	2,496
Workers	LDA, LDT1 & LDT2 Composite	20	6,240

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	40	12,480

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

Ironworkers (Headframes)

	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*	*0.04*	*648.75*	*0.01*	*0.05*	*664.12*

	PM10	PM2.5
	Paved Road - PM only	
	0.26	0.06
	0.22	0.05
Subtotal	*0.48*	*0.12*

	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	0.01	0.00	0.00	0.00	0.08	0.00	0.00	0.13
	0.06	0.02	0.14	0.00	0.00	0.00	2.95	0.00	0.00	3.52
Subtotal	*0.07*	*0.02*	*0.15*	*0.00*	*0.00*	*0.00*	*3.03*	*0.00*	*0.00*	*3.66*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.01	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	*0.01*	*0.10*	*0.07*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Ironworkers (Headframes) TOTAL	**0.27**	**0.72**	**1.95**	**0.01**	**0.56**	**0.16**	**651.78**	**0.02**	**0.05**	**667.78**

Electrical & Mechanical Contractors

	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*	*0.04*	*648.75*	*0.01*	*0.05*	*664.12*

	PM10	PM2.5
	Paved Road - PM only	
	0.26	0.06
	0.22	0.05
Subtotal	*0.48*	*0.12*

	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	0.01	0.00	0.00	0.00	0.08	0.00	0.00	0.13
	0.06	0.02	0.14	0.00	0.00	0.00	2.95	0.00	0.00	3.52
Subtotal	*0.07*	*0.02*	*0.15*	*0.00*	*0.00*	*0.00*	*3.03*	*0.00*	*0.00*	*3.66*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.01	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	*0.01*	*0.10*	*0.07*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	0.00
Electrical & Mechanical Contractors TOTAL	**0.27**	**0.72**	**1.95**	**0.01**	**0.56**	**0.16**	**651.78**	**0.02**	**0.05**	**667.78**

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	4,080	81,600
Water Trucks	MHDT (3-axle)	10	2	20	2,040	20,400
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	4,080	81,600
Water Trucks	MHDT (3-axle)	10	2	20	2,040	20,400
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	2	4,080
Water Trucks	MHDT (3-axle)	2	2,040
Workers	LDA, LDT1 & LDT2 Composite	12	1,224

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	10	20,400
Water Trucks	MHDT (3-axle)	10	10,200

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	2	156
Workers	LDA, LDT1 & LDT2 Composite	10	780

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	10	780

2021 Construction Mobile Source Emissions Summary - Daily Emissions

Emissions - Daily (Pounds/Day)

Potable Water Installation Contractor

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
Haul Trucks	0.01	0.34	0.04	0.00	0.01	0.01	128.50	0.00	0.02	134.53
Water Trucks	0.06	0.47	0.11	0.00	0.02	0.01	107.36	0.00	0.02	112.47
Workers	0.01	0.05	0.53	0.00	0.02	0.01	138.57	0.00	0.00	139.86
Subtotal	*0.09*	*0.86*	*0.68*	*0.00*	*0.05*	*0.03*	*374.43*	*0.01*	*0.04*	*386.86*

	PM10	PM2.5
	Paved Road - PM only	
Haul Trucks	0.19	0.05
Water Trucks	0.05	0.01
Workers	0.13	0.03
Subtotal	*0.37*	*0.09*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
Haul Trucks	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Trucks	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Workers	0.04	0.01	0.09	0.00	0.00	0.00	1.77	0.00	0.00	2.11
Subtotal	*0.04*	*0.02*	*0.09*	*0.00*	*0.00*	*0.00*	*1.77*	*0.00*	*0.00*	*2.11*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
Haul Trucks	0.00	0.02	0.02	0.00	0.00	0.00	3.35	0.00	0.00	3.51
Water Trucks	0.00	0.05	0.01	0.00	0.00	0.00	4.20	0.00	0.00	4.40
Subtotal	*0.00*	*0.06*	*0.03*	*0.00*	*0.00*	*0.00*	*7.55*	*0.00*	*0.00*	*7.91*

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Potable Water Installation Contractor	**TOTAL**	**0.13**	**0.94**	**0.79**	**0.00**	**0.42**	**0.12**	**383.75**	**0.01**	**0.04**	**396.88**

PG&E Powerline Extension

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
Haul Trucks	0.01	0.34	0.04	0.00	0.01	0.01	128.50	0.00	0.02	134.53
Workers	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*	*0.02*	*243.97*	*0.00*	*0.02*	*251.08*

	PM10	PM2.5
	Paved Road - PM only	
Haul Trucks	0.19	0.05
Workers	0.11	0.03
Subtotal	*0.31*	*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									
Haul Trucks	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Workers	0.03	0.01	0.07	0.00	0.00	0.00	1.47	0.00	0.00	1.76
Subtotal	*0.03*	*0.02*	*0.07*	*0.00*	*0.00*	*0.00*	*1.47*	*0.00*	*0.00*	*1.76*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
Haul Trucks	0.00	0.02	0.02	0.00	0.00	0.00	3.35	0.00	0.00	3.51
Subtotal	*0.00*	*0.02*	*0.02*	*0.00*	*0.00*	*0.00*	*3.35*	*0.00*	*0.00*	*3.51*

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
PG&E Powerline Extension	**TOTAL**	**0.05**	**0.42**	**0.57**	**0.00**	**0.34**	**0.09**	**248.79**	**0.00**	**0.02**	**256.35**

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	10	2,740

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	8	480

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*

		PM10	PM2.5
		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									
		0.03	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*	*1.47*	*0.00*	*0.00*	*1.76*

		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**	**0.04**	**0.05**	**0.51**	**0.00**	**0.13**	**0.03**	**116.95**	**0.00**	**0.00**	**118.31**

		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*

		PM10	PM2.5
		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									
		0.03	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*	*0.00*	*1.18*	*0.00*	*0.00*	*1.41*

		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**	**0.03**	**0.04**	**0.41**	**0.00**	**0.10**	**0.03**	**93.56**	**0.00**	**0.00**	**94.65**

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	10	1,210

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*

		PM10	PM2.5
		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									
		0.03	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*	*1.47*	*0.00*	*0.00*	*1.76*

		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**	**0.04**	**0.05**	**0.51**	**0.00**	**0.13**	**0.03**	**116.95**	**0.00**	**0.00**	**118.31**

Emissions - Daily (Pounds/Day)

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
SUMMARY										
Project Management, Engineers, Surveyors	0.2401	0.6764	1.5450	0.0054	0.4616	0.1348	558.2274	0.0157	0.0487	573.1276
Foundation and Concrete Contractor	0.2628	0.8393	1.7730	0.0061	0.5408	0.1575	634.2442	0.0177	0.0550	651.0674
Grading & Paving Contractor	0.0786	0.6046	0.6509	0.0027	0.2840	0.0820	278.0545	0.0057	0.0261	285.9608
Building Contractor	0.2735	0.7189	1.9537	0.0063	0.5643	0.1624	651.7847	0.0191	0.0521	667.7778
Ironworkers (Headframes)	0.2735	0.7189	1.9537	0.0063	0.5643	0.1624	651.7847	0.0191	0.0521	667.7778
Electrical & Mechanical Contractors	0.2735	0.7189	1.9537	0.0063	0.5643	0.1624	651.7847	0.0191	0.0521	667.7778
Potable Water Installation Contractor	0.1262	0.9446	0.7923	0.0037	0.4231	0.1197	383.7471	0.0087	0.0433	396.8765
PG&E Powerline Extension	0.0526	0.4171	0.5669	0.0024	0.3366	0.0902	248.7914	0.0048	0.0249	256.3458
Underground Shaft Contractors	0.0418	0.0531	0.5109	0.0012	0.1284	0.0346	116.9466	0.0043	0.0042	118.3127
Raise Bore Contractor	0.0334	0.0425	0.4087	0.0009	0.1027	0.0277	93.5573	0.0034	0.0034	94.6501
Underground Construction	0.0418	0.0531	0.5109	0.0012	0.1284	0.0346	116.9466	0.0043	0.0042	118.3127
Jan-21	1.13	3.56	7.88	0.03	2.42	0.70	2774.10	0.08	0.23	2845.71
Feb-21	1.53	5.22	10.62	0.04	3.40	0.98	3809.63	0.11	0.33	3910.37
Mar-21	1.53	5.22	10.62	0.04	3.40	0.98	3809.63	0.11	0.33	3910.37
Apr-21	1.25	4.50	8.67	0.03	2.84	0.82	3157.84	0.09	0.28	3242.59
May-21	1.25	4.50	8.67	0.03	2.84	0.82	3157.84	0.09	0.28	3242.59
Jun-21	1.13	3.56	7.88	0.03	2.42	0.70	2774.10	0.08	0.23	2845.71
Jul-21	1.17	3.61	8.39	0.03	2.54	0.73	2891.04	0.08	0.24	2964.02
Aug-21	1.26	4.07	9.36	0.03	2.98	0.85	3233.39	0.09	0.27	3315.02
Sep-21	1.30	4.12	9.87	0.03	3.11	0.89	3350.34	0.09	0.27	3433.33
Oct-21	1.21	3.66	8.90	0.03	2.67	0.77	3007.99	0.09	0.24	3082.34
Nov-21	1.49	4.38	10.85	0.04	3.24	0.93	3659.77	0.10	0.29	3750.11
Dec-21	1.49	4.38	10.85	0.04	3.24	0.93	3659.77	0.10	0.29	3750.11
Maximum	**1.53**	**5.22**	**10.85**	**0.04**	**3.40**	**0.98**	**3809.63**	**0.11**	**0.33**	**3910.37**

2021 Construction Mobile Source Assumptions Summary

Project Management, Engineers, Surveyors

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	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
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	8	2,496
Workers	LDA, LDT1 & LDT2 Composite	12	3,744

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	40	12,480

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 (3-axle)	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 (3-axle)	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 (3-axle)	2	624
Pick-up Trucks	LHDT2	8	2,496
Workers	LDA, LDT1 & LDT2 Composite	16	4,992

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Concrete Trucks	MHDT (3-axle)	10	3,120
Pick-up Trucks	LHDT2	40	12,480

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		(Tons/Year)						(Metric Tons/Year)			
		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
		0.00	0.01	0.08	0.00	0.00	0.00	21.62	0.00	0.00	21.82
Subtotal		*0.03*	*0.09*	*0.22*	*0.00*	*0.01*	*0.01*	*86.79*	*0.00*	*0.01*	*89.06*

		PM10	PM2.5
		Paved Road - PM only	
		0.04	0.01
		0.02	0.01
Subtotal		*0.06*	*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	0.01	0.00	0.00	0.02
		0.01	0.00	0.01	0.00	0.00	0.00	0.25	0.00	0.00	0.30
Subtotal		*0.01*	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*	*0.26*	*0.00*	*0.00*	*0.32*

		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*
Project Management, Engineers, Surveyors	**TOTAL**	**0.04**	**0.11**	**0.24**	**0.00**	**0.07**	**0.02**	**87.06**	**0.00**	**0.01**	**89.38**

		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	4.09
		0.03	0.08	0.13	0.00	0.01	0.00	65.18	0.00	0.01	67.24
		0.00	0.01	0.11	0.00	0.00	0.00	28.82	0.00	0.00	29.09
Subtotal		*0.03*	*0.11*	*0.25*	*0.00*	*0.01*	*0.01*	*97.91*	*0.00*	*0.01*	*100.42*

		PM10	PM2.5
		Paved Road - PM only	
		0.00	0.00
		0.04	0.01
		0.03	0.01
Subtotal		*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	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02
		0.01	0.00	0.02	0.00	0.00	0.00	0.33	0.00	0.00	0.40
Subtotal		*0.01*	*0.00*	*0.02*	*0.00*	*0.00*	*0.00*	*0.35*	*0.00*	*0.00*	*0.42*

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		Idling									
		0.00	0.01	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.62
		0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal		*0.00*	*0.02*	*0.01*	*0.00*	*0.00*	*0.00*	*0.59*	*0.00*	*0.00*	*0.62*
Foundation and Concrete Contractor	**TOTAL**	**0.04**	**0.13**	**0.28**	**0.00**	**0.08**	**0.02**	**98.85**	**0.00**	**0.01**	**101.46**

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
Water Trucks	MHDT (3-axle)	10	2	20	624	6,240
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
Water Trucks	MHDT (3-axle)	10	2	20	624	6,240
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	2	624
Water Trucks	MHDT (3-axle)	2	624
Workers	LDA, LDT1 & LDT2 Composite	12	3,744

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	10	3,120
Water Trucks	MHDT (3-axle)	10	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	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	8	2,496
Workers	LDA, LDT1 & LDT2 Composite	20	6,240

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	40	12,480

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									
Haul Trucks		0.00	0.01	0.00	0.00	0.00	0.00	5.01	0.00	0.00	5.25
Water Trucks		0.01	0.07	0.02	0.00	0.00	0.00	16.75	0.00	0.00	17.54
Workers		0.00	0.01	0.08	0.00	0.00	0.00	21.62	0.00	0.00	21.82
	Subtotal	*0.01*	*0.09*	*0.10*	*0.00*	*0.01*	*0.00*	*43.38*	*0.00*	*0.00*	*44.61*

		PM10	PM2.5
		Paved Road - PM only	
Haul Trucks		0.01	0.00
Water Trucks		0.01	0.00
Workers		0.02	0.01
	Subtotal	*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									
Haul Trucks		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Trucks		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Workers		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*

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		Idling									
Haul Trucks		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Trucks		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*
Grading & Paving Contractor	**TOTAL**	**0.01**	**0.09**	**0.10**	**0.00**	**0.04**	**0.01**	**43.38**	**0.00**	**0.00**	**44.61**

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		Running Exhaust, Tire Wear, and Break Wear									
Pick-up Trucks		0.03	0.08	0.13	0.00	0.01	0.00	65.18	0.00	0.01	67.24
Workers		0.00	0.01	0.14	0.00	0.01	0.00	36.03	0.00	0.00	36.36
	Subtotal	*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	
Pick-up Trucks		0.04	0.01
Workers		0.03	0.01
	Subtotal	*0.08*	*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									
Pick-up Trucks		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02
Workers		0.01	0.00	0.02	0.00	0.00	0.00	0.42	0.00	0.00	0.50
	Subtotal	*0.01*	*0.00*	*0.02*	*0.00*	*0.00*	*0.00*	*0.43*	*0.00*	*0.00*	*0.52*

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		Idling									
Pick-up Trucks		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**	**0.11**	**0.30**	**0.00**	**0.09**	**0.03**	**101.63**	**0.00**	**0.01**	**104.12**

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	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	8	2,496
Workers	LDA, LDT1 & LDT2 Composite	20	6,240

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	40	12,480

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	8	2,496
Workers	LDA, LDT1 & LDT2 Composite	20	6,240

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Pick-up Trucks	LHDT2	40	12,480

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	67.24
		0.00	0.01	0.14	0.00	0.01	0.00	36.03	0.00	0.00	36.36
	Subtotal	*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	
		0.04	0.01
		0.03	0.01
	Subtotal	*0.08*	*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	0.01	0.00	0.00	0.02
		0.01	0.00	0.02	0.00	0.00	0.00	0.42	0.00	0.00	0.50
	Subtotal	*0.01*	*0.00*	*0.02*	*0.00*	*0.00*	*0.00*	*0.43*	*0.00*	*0.00*	*0.52*

		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*
Ironworkers (Headframes)	**TOTAL**	**0.04**	**0.11**	**0.30**	**0.00**	**0.09**	**0.03**	**101.63**	**0.00**	**0.01**	**104.12**

		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
		0.00	0.01	0.14	0.00	0.01	0.00	36.03	0.00	0.00	36.36
	Subtotal	*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	
		0.04	0.01
		0.03	0.01
	Subtotal	*0.08*	*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	0.01	0.00	0.00	0.02
		0.01	0.00	0.02	0.00	0.00	0.00	0.42	0.00	0.00	0.50
	Subtotal	*0.01*	*0.00*	*0.02*	*0.00*	*0.00*	*0.00*	*0.43*	*0.00*	*0.00*	*0.52*

		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**	**0.11**	**0.30**	**0.00**	**0.09**	**0.03**	**101.63**	**0.00**	**0.01**	**104.12**

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	4,080	81,600
Water Trucks	MHDT (3-axle)	10	2	20	2,040	20,400
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	4,080	81,600
Water Trucks	MHDT (3-axle)	10	2	20	2,040	20,400
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	2	4,080
Water Trucks	MHDT (3-axle)	2	2,040
Workers	LDA, LDT1 & LDT2 Composite	12	1,224

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	10	20,400
Water Trucks	MHDT (3-axle)	10	10,200

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 LDA, LDT1 & LDT2	20	2	40	156	3,120
Workers	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 LDA, LDT1 & LDT2	20	2	40	156	3,120
Workers	Composite	16.8	10	168	780	13,104

Project Vehicle	EMFAC Class	Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT LDA, LDT1 & LDT2	2	156
Workers	Composite	10	780

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	10	780

2021 Construction Mobile Source Emissions Summary - Annual Emissions

Emissions - Annual

Potable Water Installation Contractor

	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	131.07	0.00	0.02	137.22
	0.03	0.24	0.06	0.00	0.01	0.01	54.76	0.00	0.01	57.36
	0.00	0.00	0.03	0.00	0.00	0.00	7.07	0.00	0.00	7.13
Subtotal	*0.04*	*0.58*	*0.12*	*0.00*	*0.02*	*0.01*	*192.89*	*0.00*	*0.03*	*201.71*

	PM10	PM2.5
	Paved Road - PM only	
	0.20	0.05
	0.02	0.01
	0.01	0.00
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	0.01	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	0.08	0.00	0.00	0.10
Subtotal	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.08*	*0.00*	*0.00*	*0.10*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.00	0.02	0.02	0.00	0.00	0.00	3.10	0.00	0.00	3.24
	0.00	0.02	0.00	0.00	0.00	0.00	1.94	0.00	0.00	2.04
Subtotal	*0.00*	*0.04*	*0.02*	*0.00*	*0.00*	*0.00*	*5.04*	*0.00*	*0.00*	*5.28*
Potable Water Installation Contractor TOTAL	**0.05**	**0.64**	**0.15**	**0.00**	**0.25**	**0.07**	**198.01**	**0.00**	**0.03**	**207.09**

PG&E Powerline Extension

	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	0.00	0.02	0.00	0.00	0.00	4.50	0.00	0.00	4.55
Subtotal	*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	
	0.01	0.00
	0.00	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	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.06
Subtotal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.05*	*0.00*	*0.00*	*0.06*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.12
Subtotal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.12*	*0.00*	*0.00*	*0.12*
PG&E Powerline Extension TOTAL	**0.00**	**0.02**	**0.02**	**0.00**	**0.01**	**0.00**	**9.69**	**0.00**	**0.00**	**9.98**

2021 Construction Mobile Source Assumptions Summary

2021 Construction Mobile Source Emissions Summary - Annual Emissions

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	10	2,740

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

Emissions - Annual

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
	0.00	0.01	0.06	0.00	0.00	0.00	15.82	0.00	0.00	15.97
Subtotal	*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	
	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									
	0.00	0.00	0.01	0.00	0.00	0.00	0.18	0.00	0.00	0.22
Subtotal	*0.00*	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*	*0.18*	*0.00*	*0.00*	*0.22*

	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*

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Underground Shaft Contractors	TOTAL	0.01	0.01	0.07	0.00	0.02	0.00	16.00	0.00	0.00	16.19

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	8	480

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

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Running Exhaust, Tire Wear, and Break Wear									
	0.00	0.00	0.01	0.00	0.00	0.00	2.77	0.00	0.00	2.80
Subtotal	*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	
	0.00	0.00
Subtotal	*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	0.03	0.00	0.00	0.04
Subtotal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.03*	*0.00*	*0.00*	*0.04*

	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*

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
Raise Bore Contractor	TOTAL	0.00	0.00	0.01	0.00	0.00	0.00	2.80	0.00	0.00	2.84

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	10	1,210

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	6.99	0.00	0.00	7.05
	Subtotal	*0.00*	*0.00*	*0.03*	*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	0.08	0.00	0.00	0.10
	Subtotal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.08*	*0.00*	*0.00*	*0.10*

		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**	**0.00**	**0.00**	**0.03**	**0.00**	**0.01**	**0.00**	**7.07**	**0.00**	**0.00**	**7.15**

Emissions - Annual (Tons/Year)

	ROG	NOx	CO	SOx	PM10	PM2.5	(Metric Tons/Year) CO2	CH4	N2O	CO2e
SUMMARY										
Project Management, Engineers, Surveyors	0.0374	0.1055	0.2410	0.0008	0.0720	0.0210	87.0566	0.0024	0.0076	89.3753
Foundation and Concrete Contractor	0.0410	0.1309	0.2766	0.0010	0.0844	0.0246	98.8458	0.0027	0.0085	101.4600
Grading & Paving Contractor	0.0123	0.0943	0.1015	0.0004	0.0443	0.0128	43.3765	0.0009	0.0041	44.6099
Building Contractor	0.0427	0.1121	0.3048	0.0010	0.0880	0.0253	101.6344	0.0029	0.0081	104.1203
Ironworkers (Headframes)	0.0427	0.1121	0.3048	0.0010	0.0880	0.0253	101.6344	0.0029	0.0081	104.1203
Electrical & Mechanical Contractors	0.0427	0.1121	0.3048	0.0010	0.0880	0.0253	101.6344	0.0029	0.0081	104.1203
Potable Water Installation Contractor	0.0468	0.6381	0.1512	0.0019	0.2512	0.0703	198.0134	0.0023	0.0303	207.0870
PG&E Powerline Extension	0.0021	0.0163	0.0221	0.0001	0.0131	0.0035	9.6854	0.0002	0.0010	9.9784
Underground Shaft Contractors	0.0057	0.0073	0.0700	0.0002	0.0176	0.0047	16.0029	0.0006	0.0006	16.1864
Raise Bore Contractor	0.0010	0.0013	0.0123	0.0000	0.0031	0.0008	2.8034	0.0001	0.0001	2.8356
Underground Construction	0.0025	0.0032	0.0309	0.0001	0.0078	0.0021	7.0670	0.0002	0.0003	7.1480
	0.2769	**1.3333**	**1.8200**	**0.0074**	**0.7576**	**0.2159**	**767.7543**	**0.0181**	**0.0766**	**791.0415**

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	2.209	0.542
Freight Trucks	HHDT	2.209	0.542
Concentrate Trucks	HHDT	2.209	0.542
Explosives Trucks	HHDT	2.209	0.542
Fuel Trucks	MHDT	1.024	0.251
Cement Trucks	MHDT	1.024	0.251
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.990	0.243
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

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

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									
Haul Trucks	0.05	2.64	0.24	0.00	0.10	0.05	1,126.09	0.00	0.18	1,178.89
Freight Trucks	0.05	2.64	0.24	0.00	0.10	0.05	1,126.09	0.00	0.18	1,178.89
Concentrate Trucks	0.20	10.65	0.99	0.01	0.42	0.22	4,535.63	0.01	0.71	4,748.31
Explosives Trucks	0.02	0.88	0.08	0.00	0.03	0.02	375.36	0.00	0.06	392.96
Fuel Trucks	0.01	0.14	0.02	0.00	0.01	0.00	51.13	0.00	0.01	53.54
Cement Trucks	0.06	1.64	0.19	0.01	0.10	0.05	584.38	0.00	0.09	611.83
Outside Services (light vehicles)	0.01	0.05	0.14	0.00	0.01	0.00	37.26	0.00	0.00	37.84
Employees	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*	*0.63*	*11,319.40*	*0.08*	*1.32*	*11,715.99*

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

	PM10	PM2.5
	Paved Road - PM only	
Haul Trucks	1.75	0.43
Freight Trucks	1.75	0.43
Concentrate Trucks	7.06	1.73
Explosives Trucks	0.58	0.14
Fuel Trucks	0.05	0.01
Cement Trucks	0.54	0.13
Outside Services (light vehicles)	0.09	0.02
Employees	3.46	0.85
Subtotal	*15.29*	*3.75*

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	200	36,500
Freight Trucks	HHDT	6	312
Concentrate Trucks	HHDT	10	728
Explosives Trucks	HHDT	2	104
Fuel Trucks	MHDT	6	108
Cement Trucks	MHDT	4	936
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	8	2,184
Employees	LDA, LDT1 & LDT2 Composite	356	120,788

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
Haul Trucks	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Freight Trucks	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrate Trucks	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Explosives Trucks	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Trucks	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cement Trucks	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Outside Services (light vehicles)	0.03	0.01	0.05	0.00	0.00	0.00	0.88	0.00	0.00	1.08
Employees	1.07	0.26	2.43	0.00	0.00	0.00	50.88	0.07	0.03	60.59
Subtotal	*1.10*	*1.39*	*2.48*	*0.00*	*0.00*	*0.00*	*51.76*	*0.07*	*0.03*	*61.66*

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	1,000	182,500
Freight Trucks	HHDT	30	1,560
Concentrate Trucks	HHDT	50	3,640
Explosives Trucks	HHDT	10	520
Fuel Trucks	MHDT	30	540
Cement Trucks	MHDT	20	4,680
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	40	10,920

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
Haul Trucks	0.14	1.77	1.91	0.00	0.00	0.00	339.88	0.01	0.05	355.96
Freight Trucks	0.00	0.05	0.06	0.00	0.00	0.00	10.20	0.00	0.00	10.68
Concentrate Trucks	0.01	0.09	0.10	0.00	0.00	0.00	16.99	0.00	0.00	17.80
Explosives Trucks	0.00	0.02	0.02	0.00	0.00	0.00	3.40	0.00	0.00	3.56
Fuel Trucks	0.00	0.12	0.03	0.00	0.00	0.00	12.33	0.00	0.00	12.91
Cement Trucks	0.00	0.08	0.02	0.00	0.00	0.00	8.22	0.00	0.00	8.61
Outside Services (light vehicles)	0.00	0.01	0.02	0.00	0.00	0.00	1.29	0.00	0.00	1.34
Subtotal	*0.15*	*2.14*	*2.15*	*0.00*	*0.00*	*0.00*	*392.30*	*0.01*	*0.06*	*410.85*
TOTAL	**1.90**	**23.41**	**6.53**	**0.05**	**16.61**	**4.39**	**11,763.47**	**0.16**	**1.41**	**12,188.51**

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	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

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									
Haul Trucks	0.00	0.24	0.02	0.00	0.01	0.00	93.22	0.00	0.01	97.59
Freight Trucks	0.00	0.07	0.01	0.00	0.00	0.00	26.56	0.00	0.00	27.81
Concentrate Trucks	0.01	0.39	0.04	0.00	0.02	0.01	149.77	0.00	0.02	156.80
Explosives Trucks	0.00	0.02	0.00	0.00	0.00	0.00	8.85	0.00	0.00	9.27
Fuel Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.44
Cement Trucks	0.01	0.19	0.02	0.00	0.01	0.01	62.03	0.00	0.01	64.94
Outside Services (light vehicles)	0.00	0.01	0.02	0.00	0.00	0.00	4.61	0.00	0.00	4.69
Employees	0.04	0.21	0.00	0.01	0.09	0.04	536.11	0.01	0.01	540.76
Subtotal	*0.07*	*1.13*	*0.11*	*0.01*	*0.13*	*0.06*	*881.57*	*0.01*	*0.07*	*902.29*

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)	PM10	PM2.5
							Paved Road - PM only	
Haul Trucks	HHDT	1.8	200	360	36,500	65,700	0.16	0.04
Freight Trucks	HHDT	60	6	360	312	18,720	0.05	0.01
Concentrate Trucks	HHDT	145	10	1,450	728	105,560	0.26	0.06
Explosives Trucks	HHDT	60	2	120	104	6,240	0.02	0.00
Fuel Trucks	MHDT	3.5	6	21	108	378	0.00	0.00
Cement Trucks	MHDT	60	4	240	936	56,160	0.06	0.02
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	5	8	40	2,184	10,920	0.01	0.00
Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584	0.59	0.14
Subtotal							*1.14*	*0.28*

Project Vehicle	EMFAC Class	Max Daily Trips (trips/day)	Annual Trips (trips/year)	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
				Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
Haul Trucks	HHDT	200	36,500	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Freight Trucks	HHDT	6	312	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrate Trucks	HHDT	10	728	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Explosives Trucks	HHDT	2	104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Trucks	MHDT	6	108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cement Trucks	MHDT	4	936	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	8	2,184	0.00	0.00	0.01	0.00	0.00	0.00	0.11	0.00	0.00	0.13
Employees	LDA, LDT1 & LDT2 Composite	356	120,788	0.18	0.04	0.41	0.00	0.00	0.00	7.83	0.01	0.00	9.32
Subtotal				*0.19*	*0.14*	*0.42*	*0.00*	*0.00*	*0.00*	*7.94*	*0.01*	*0.00*	*9.46*

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
				Idling									
Haul Trucks	HHDT	1,000	182,500	0.01	0.16	0.17	0.00	0.00	0.00	28.14	0.00	0.00	29.47
Freight Trucks	HHDT	30	1,560	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.25
Concentrate Trucks	HHDT	50	3,640	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.59
Explosives Trucks	HHDT	10	520	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.08
Fuel Trucks	MHDT	30	540	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.11
Cement Trucks	MHDT	20	4,680	0.00	0.01	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.91
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	40	10,920	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.17
Subtotal				*0.01*	*0.18*	*0.18*	*0.00*	*0.00*	*0.00*	*30.15*	*0.00*	*0.00*	*31.58*
TOTAL				**0.26**	**1.45**	**0.71**	**0.01**	**1.27**	**0.34**	**919.66**	**0.02**	**0.08**	**943.32**

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	20	0.048	5.902	0.491	0.017	0.110	0.048	1,754.766	0.002	0.276
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)	
Haul Trucks	HHDT	2.209	0.542
Freight Trucks	HHDT	2.209	0.542
Concentrate Trucks	HHDT	2.209	0.542
Explosives Trucks	HHDT	2.209	0.542
Fuel Trucks	MHDT	1.024	0.251
Cement Trucks	MHDT	1.024	0.251
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.990	0.243
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	2.536	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
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)								
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
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

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 (20 mph)	0.25	200	50	36,500	9,125
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

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									
Haul Trucks	0.01	0.65	0.05	0.00	0.01	0.01	193.43	0.00	0.03	202.50
Freight Trucks	0.02	2.03	0.18	0.01	0.10	0.05	986.62	0.00	0.16	1,032.86
Concentrate Trucks	0.08	8.19	0.73	0.04	0.39	0.19	3,973.89	0.00	0.62	4,160.13
Explosives Trucks	0.01	0.68	0.06	0.00	0.03	0.02	328.87	0.00	0.05	344.29
Fuel Trucks	0.00	0.10	0.01	0.00	0.01	0.00	46.45	0.00	0.01	48.63
Cement Delivery	0.01	1.16	0.08	0.01	0.08	0.04	530.90	0.00	0.08	555.78
Outside Services (light vehicles)	0.00	0.03	0.09	0.00	0.00	0.00	32.40	0.00	0.00	32.81
Employees	0.13	0.65	0.00	0.03	0.53	0.22	2,945.63	0.03	0.06	2,965.20
Subtotal	*0.26*	*13.49*	*1.21*	*0.09*	*1.16*	*0.53*	*9,038.21*	*0.04*	*1.02*	*9,342.20*

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	0.25	200	50	36,500	9,125
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

	PM10	PM2.5
	Paved Road - PM only	
Haul Trucks	0.24	0.06
Freight Trucks	1.75	0.43
Concentrate Trucks	7.06	1.73
Explosives Trucks	0.58	0.14
Fuel Trucks	0.05	0.01
Cement Delivery	0.54	0.13
Outside Services (light vehicles)	0.09	0.02
Employees	3.46	0.85
Subtotal	*13.78*	*3.38*

Project Vehicle	EMFAC Class	Max. Daily Trips (trips/day)	Annual Trips (trips/year)
Haul Trucks	HHDT	200	36,500
Freight Trucks	HHDT	6	312
Concentrate Trucks	HHDT	10	728
Explosives Trucks	HHDT	2	104
Fuel Trucks	MHDT	6	108
Cement Delivery	MHDT	4	936
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	8	2,184
Employees	LDA, LDT1 & LDT2 Composite	356	120,788

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
Haul Trucks	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Freight Trucks	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrate Trucks	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Explosives Trucks	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Trucks	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cement Delivery	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Outside Services (light vehicles)	0.03	0.01	0.04	0.00	0.00	0.00	0.82	0.00	0.00	0.99
Employees	0.79	0.18	1.99	0.00	0.00	0.00	43.19	0.05	0.02	50.73
Subtotal	*0.82*	*1.45*	*2.04*	*0.00*	*0.00*	*0.00*	*44.01*	*0.05*	*0.02*	*51.73*

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	1,000	182,500
Freight Trucks	HHDT	30	1,560
Concentrate Trucks	HHDT	50	3,640
Explosives Trucks	HHDT	10	520
Fuel Trucks	MHDT	30	540
Cement Delivery	MHDT	20	4,680
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	40	10,920

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
Haul Trucks	0.14	1.69	2.05	0.00	0.00	0.00	314.80	0.01	0.05	329.71
Freight Trucks	0.00	0.05	0.06	0.00	0.00	0.00	9.44	0.00	0.00	9.89
Concentrate Trucks	0.01	0.08	0.10	0.00	0.00	0.00	15.74	0.00	0.00	16.49
Explosives Trucks	0.00	0.02	0.02	0.00	0.00	0.00	3.15	0.00	0.00	3.30
Fuel Trucks	0.00	0.08	0.03	0.00	0.00	0.00	10.58	0.00	0.00	11.08
Cement Delivery	0.00	0.05	0.02	0.00	0.00	0.00	7.05	0.00	0.00	7.39
Outside Services (light vehicles)	0.00	0.01	0.02	0.00	0.00	0.00	1.06	0.00	0.00	1.10
Subtotal	*0.16*	*1.98*	*2.30*	*0.00*	*0.00*	*0.00*	*361.82*	*0.01*	*0.06*	*378.94*
TOTAL	**1.23**	**16.93**	**5.54**	**0.09**	**14.94**	**3.91**	**9,444.05**	**0.09**	**1.10**	**9,772.87**

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 (20 mph)	0.25	200	50	36,500	9,125
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

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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

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Explosives Trucks	HHDT	2	104
Fuel Trucks	MHDT	6	108
Cement Delivery	MHDT	4	936
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	8	2,184
Employees	LDA, LDT1 & LDT2 Composite	356	120,788

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	1,000	182,500
Freight Trucks	HHDT	30	1,560
Concentrate Trucks	HHDT	50	3,640
Explosives Trucks	HHDT	10	520
Fuel Trucks	MHDT	30	540
Cement Delivery	MHDT	20	4,680
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	40	10,920

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									
Haul Trucks	0.00	0.06	0.00	0.00	0.00	0.00	16.01	0.00	0.00	16.76
Freight Trucks	0.00	0.05	0.00	0.00	0.00	0.00	23.27	0.00	0.00	24.36
Concentrate Trucks	0.00	0.30	0.03	0.00	0.01	0.01	131.22	0.00	0.02	137.37
Explosives Trucks	0.00	0.02	0.00	0.00	0.00	0.00	7.76	0.00	0.00	8.12
Fuel Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.40
Cement Delivery	0.00	0.14	0.01	0.00	0.01	0.00	56.35	0.00	0.01	58.99
Outside Services (light vehicles)	0.00	0.00	0.01	0.00	0.00	0.00	4.01	0.00	0.00	4.06
Employees	0.02	0.11	0.00	0.00	0.09	0.04	453.33	0.00	0.01	456.34
Subtotal	*0.03*	*0.68*	*0.06*	*0.01*	*0.12*	*0.05*	*692.34*	*0.01*	*0.05*	*706.42*

	PM10	PM2.5
	Paved Road - PM only	
Haul Trucks	0.02	0.01
Freight Trucks	0.05	0.01
Concentrate Trucks	0.26	0.06
Explosives Trucks	0.02	0.00
Fuel Trucks	0.00	0.00
Cement Delivery	0.06	0.02
Outside Services (light vehicles)	0.01	0.00
Employees	0.59	0.14
Subtotal	*1.00*	*0.25*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
Haul Trucks	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Freight Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrate Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Explosives Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cement Delivery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Outside Services (light vehicles)	0.00	0.00	0.01	0.00	0.00	0.00	0.10	0.00	0.00	0.12
Employees	0.13	0.03	0.34	0.00	0.00	0.00	6.65	0.01	0.00	7.81
Subtotal	*0.14*	*0.14*	*0.34*	*0.00*	*0.00*	*0.00*	*6.75*	*0.01*	*0.00*	*7.93*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
Haul Trucks	0.01	0.15	0.19	0.00	0.00	0.00	26.06	0.00	0.00	27.29
Freight Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.23
Concentrate Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.54
Explosives Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.08
Fuel Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09
Cement Delivery	0.00	0.01	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.78
Outside Services (light vehicles)	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.14
Subtotal	*0.01*	*0.17*	*0.20*	*0.00*	*0.00*	*0.00*	*27.84*	*0.00*	*0.00*	*29.16*
TOTAL	**0.18**	**0.98**	**0.60**	**0.01**	**1.12**	**0.30**	**726.93**	**0.01**	**0.05**	**743.51**

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	2.209	0.542
Freight Trucks	HHDT	2.209	0.542
Concentrate Trucks	HHDT	2.209	0.542
Explosives Trucks	HHDT	2.209	0.542
Fuel Trucks	MHDT	1.024	0.251
Cement Trucks	MHDT	1.024	0.251
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	0.990	0.243
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

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
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Employees	LDA, LDT1 & LDT2 Composite	14.7	356	5,233	120,788	1,775,584

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Explosives Trucks	HHDT	10	520
Fuel Trucks	MHDT	30	540
Cement Delivery	MHDT	20	4,680
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	40	10,920

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									
Haul Trucks	0.60	61.71	5.81	0.27	3.21	1.55	28,928.13	0.03	4.55	30,283.86
Freight Trucks	0.02	1.85	0.17	0.01	0.10	0.05	867.84	0.00	0.14	908.52
Concentrate Trucks	0.07	7.46	0.70	0.03	0.39	0.19	3,495.48	0.00	0.55	3,659.30
Explosives Trucks	0.01	0.62	0.06	0.00	0.03	0.02	289.28	0.00	0.05	302.84
Fuel Trucks	0.00	0.09	0.01	0.00	0.01	0.00	42.80	0.00	0.01	44.80
Cement Delivery	0.01	1.04	0.07	0.00	0.08	0.04	489.10	0.00	0.08	512.02
Outside Services (light vehicles)	0.00	0.02	0.06	0.00	0.00	0.00	27.66	0.00	0.00	27.94
Employees	0.06	0.36	0.00	0.03	0.53	0.21	2,536.44	0.02	0.05	2,550.69
Subtotal	*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	
Haul Trucks	58.43	14.34
Freight Trucks	1.75	0.43
Concentrate Trucks	7.06	1.73
Explosives Trucks	0.58	0.14
Fuel Trucks	0.05	0.01
Cement Delivery	0.54	0.13
Outside Services (light vehicles)	0.09	0.02
Employees	3.46	0.85
Subtotal	*71.97*	*17.66*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
Haul Trucks	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Freight Trucks	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrate Trucks	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Explosives Trucks	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Trucks	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cement Delivery	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Outside Services (light vehicles)	0.02	0.00	0.04	0.00	0.00	0.00	0.75	0.00	0.00	0.90
Employees	0.54	0.13	1.67	0.00	0.00	0.00	36.79	0.03	0.02	42.88
Subtotal	*0.56*	*1.44*	*1.70*	*0.00*	*0.00*	*0.00*	*37.54*	*0.03*	*0.02*	*43.78*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
Haul Trucks	0.14	1.67	2.06	0.00	0.00	0.00	282.45	0.01	0.04	295.84
Freight Trucks	0.00	0.05	0.06	0.00	0.00	0.00	8.47	0.00	0.00	8.88
Concentrate Trucks	0.01	0.08	0.10	0.00	0.00	0.00	14.12	0.00	0.00	14.79
Explosives Trucks	0.00	0.02	0.02	0.00	0.00	0.00	2.82	0.00	0.00	2.96
Fuel Trucks	0.00	0.06	0.03	0.00	0.00	0.00	9.02	0.00	0.00	9.44
Cement Delivery	0.00	0.04	0.02	0.00	0.00	0.00	6.01	0.00	0.00	6.29
Outside Services (light vehicles)	0.00	0.01	0.01	0.00	0.00	0.00	0.83	0.00	0.00	0.86
Subtotal	*0.15*	*1.92*	*2.30*	*0.00*	*0.00*	*0.00*	*323.72*	*0.01*	*0.05*	*339.06*
TOTAL	**1.49**	**76.50**	**10.89**	**0.35**	**76.31**	**19.72**	**37,038.00**	**0.09**	**5.48**	**38,672.81**

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	200	36,500
Freight Trucks	HHDT	6	312
Concentrate Trucks	HHDT	10	728
Explosives Trucks	HHDT	2	104
Fuel Trucks	MHDT	6	108
Cement Delivery	MHDT	4	936
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	8	2,184
Employees	LDA, LDT1 & LDT2 Composite	356	120,788

Project Vehicle	EMFAC Class	Idling Minutes per Day (min/day)	Idling Minutes per Year (min/year)
Haul Trucks	HHDT	1,000	182,500
Freight Trucks	HHDT	30	1,560
Concentrate Trucks	HHDT	50	3,640
Explosives Trucks	HHDT	10	520
Fuel Trucks	MHDT	30	540
Cement Delivery	MHDT	20	4,680
Outside Services (light vehicles)	LDT1, LDT2, LHDT1, & LHDT2 Composite	40	10,920

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									
Haul Trucks	0.05	5.63	0.53	0.02	0.29	0.14	2,394.69	0.00	0.38	2,506.91
Freight Trucks	0.00	0.05	0.00	0.00	0.00	0.00	20.47	0.00	0.00	21.43
Concentrate Trucks	0.00	0.27	0.03	0.00	0.01	0.01	115.43	0.00	0.02	120.84
Explosives Trucks	0.00	0.02	0.00	0.00	0.00	0.00	6.82	0.00	0.00	7.14
Fuel Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.37
Cement Delivery	0.00	0.12	0.01	0.00	0.01	0.00	51.91	0.00	0.01	54.35
Outside Services (light vehicles)	0.00	0.00	0.01	0.00	0.00	0.00	3.43	0.00	0.00	3.46
Employees	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*	*0.19*	*2,983.45*	*0.01*	*0.41*	*3,107.05*

	PM10	PM2.5
	Paved Road - PM only	
Haul Trucks	5.33	1.31
Freight Trucks	0.05	0.01
Concentrate Trucks	0.26	0.06
Explosives Trucks	0.02	0.00
Fuel Trucks	0.00	0.00
Cement Delivery	0.06	0.02
Outside Services (light vehicles)	0.01	0.00
Employees	0.59	0.14
Subtotal	*6.31*	*1.55*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Starting Exhaust, Hot Soak, Running Loss Evaporative, Resting Loss Evap, Diurnal Loss Evap									
Haul Trucks	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Freight Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentrate Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Explosives Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cement Delivery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Outside Services (light vehicles)	0.00	0.00	0.01	0.00	0.00	0.00	0.09	0.00	0.00	0.11
Employees	0.09	0.02	0.28	0.00	0.00	0.00	5.66	0.00	0.00	6.60
Subtotal	*0.09*	*0.13*	*0.29*	*0.00*	*0.00*	*0.00*	*5.76*	*0.00*	*0.00*	*6.71*

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
	Idling									
Haul Trucks	0.01	0.15	0.19	0.00	0.00	0.00	23.38	0.00	0.00	24.49
Freight Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.21
Concentrate Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.49
Explosives Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.07
Fuel Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.08
Cement Delivery	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.67
Outside Services (light vehicles)	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.11
Subtotal	*0.01*	*0.16*	*0.20*	*0.00*	*0.00*	*0.00*	*24.93*	*0.00*	*0.00*	*26.11*
TOTAL	**0.18**	**6.45**	**1.06**	**0.03**	**6.72**	**1.74**	**3,014.13**	**0.01**	**0.42**	**3,139.87**

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	0.990	0.243
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

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*

	PM10	PM2.5
	Paved Road - PM only	
	0.26	0.06
	0.18	0.04
Subtotal	*0.44*	*0.11*

	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	0.08	0.00	0.00	0.12
	0.02	0.01	0.07	0.00	0.00	0.00	1.65	0.00	0.00	1.93
Subtotal	*0.03*	*0.01*	*0.08*	*0.00*	*0.00*	*0.00*	*1.73*	*0.00*	*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	9.01	0.00	0.00	9.42
Subtotal	*0.01*	*0.07*	*0.07*	*0.00*	*0.00*	*0.00*	*9.01*	*0.00*	*0.00*	*9.42*

		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
ımation	**TOTAL**	**0.19**	**0.36**	**0.90**	**0.01**	**0.48**	**0.13**	**517.06**	**0.01**	**0.04**	**529.17**

Emissions - Daily (Pounds/Day)

	ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
ıMARY										
ımation	0.1886	0.3581	0.8956	0.0050	0.4794	0.1310	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
		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
	Subtotal	*0.01*	*0.01*	*0.03*	*0.00*	*0.00*	*0.00*	*19.24*	*0.00*	*0.00*	*19.67*
						PM10	PM2.5				
						Paved Road - PM only					
						0.01	0.00				
						0.01	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									
		0.00	0.00	0.00	0.00	0.00	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	0.07
	Subtotal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.06*	*0.00*	*0.00*	*0.07*
		ROG	NOx	CO	SOx	PM10	PM2.5	CO2	CH4	N2O	CO2e
		Idling									
		0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.32
	Subtotal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.31*	*0.00*	*0.00*	*0.32*
Reclamation	**TOTAL**	**0.01**	**0.01**	**0.03**	**0.00**	**0.02**	**0.00**	**19.61**	**0.00**	**0.00**	**20.07**

Emissions - Annual (Tons/Year)

	ROG	NOx	CO	SOx	PM10	PM2.5	(Metric Tons/Year) CO2	CH4	N2O	CO2e
SUMMARY										
Reclamation	0.0072	0.0136	0.0340	0.0002	0.0182	0.0050	19.6102	0.0004	0.0015	20.0679

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 - unfragmeted stone AP-42 5th ed. Aug04 Table 11.19.2-2
Rock blasting - ANFO	0.93	3.4E+02	100%	0	17	67	2	7.28E-05	4.20E-06	446.96	0.01967	0.00393	0.00E+00	1.58E+01	6.23E+01	1.86E+00	6.77E-05	3.91E-06	4.16E+02	1.83E-02	3.66E-03	0.00E+00	2.88E+00	1.14E+01	3.39E-01	1.23E-05	7.12E-07	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
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.

Asbestos Emissions

	lb/day	lb/hour	lb/year
Underground Mining	1.77E-06	0.00	0.00

Assumptions: assumes controls (such as air filtration system) that reduce 95% of asbestos**Silica**

Emissions

	lb/day	lb/hour	lb/year
Underground Mining	0.81	0.03	294.35

Assumptions: 60% silica content

Idaho-Maryland Mine Project
Ore Processing - Surface

Activity	STPD	Annual TPY	% total	Emission Factors (lb/ton) PM 10	Emission Factors (lb/ton) PM 2.5	Emissions (lb/day) PM 10	Emissions (lb/day) PM 2.5	Emissions (tons/year) PM 10	Emissions (tons/year) PM 2.5	Emission Factor Source
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	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 - outside plant	500	1.8E+05	100%	7.80E-03	8.55E-04	3.90E+00	4.27E-01	7.12E-01	7.80E-02	Truck Loading, Mineral Products Industry AP-42 5th ed. July 1998 Table 11.9-1
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						**4.12E+00**	**5.68E-01**	**7.53E-01**	**1.04E-01**	

Assumptions:
assumes 365 operating days per year
PM2.5 assumed to equal PM10 emissions for haul truck loading and portland cement loading

Asbestos Emissions

	lb/day	lb/hour	lb/year
Ore Processing	1.03E-04	0.00	0.04

Silica Emissions

	lb/day	lb/hour	lb/year
Ore Processing	2.47	0.10	901.25

Assumptions: rock with 60% silica content

Idaho-Maryland Mine Project
Emergency Generator Testing

			Emission Factors (g/hp-hr)									Emissions (lb/day)[d]									Emissions (tons/year)[d]						Emissions (metric tons/year)			
	Generator HP	Number of Units	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

Compound	CAS Number	Emission Factor (g/hp-hr)[a]	Emissions (lb/hour)	Emissions (lb/year)
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

Compound	CAS Number	Emission Factor (g/hp-hr)[a]	Emissions (lb/hour)	Emissions (lb/year)
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
Emergency Generator Use for PSPS

				Emission Factors (g/hp-hr)	Emissions (lb/day)	Emissions (tons/year)[d]
	Generator HP	Load Factor	Number of Units	PM10[a]	PM10	PM10
2021						
Generator	2655	0.64	2	0.00	0.72	0.00
2022 - 2102						
Generator	2655	0.8	4	0.00	1.80	0.01

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] Annual emissions are conservatively based on 9 days of outages throughout the year, based on PG&E Public Safety Power Shut-Offs in 2019

TAC Emissions - 2021

Compound	CAS Number	Emission Factor (g/hp-hr)[a]	Emissions (lb/hour)	Emissions (lb/year)
Diesel Particulate Matter	9901	0.0040	0.0300	4.85
Note:			162	hours/year

a From manufacturers emissions data sheet 1138.

TAC Emissions - 2022 - ?

Compound	CAS Number	Emission Factor (g/hp-hr)[a]	Emissions (lb/hour)	Emissions (lb/year)
Diesel Particulate Matter	9901	0.0040	0.0749	16.18
Note:		gal/hr	216	hours/year

a From manufacturers emissions data sheet 1138.

Idaho-Maryland Mine Project
Reagant Use

Reagent Type	Quantity Used		Product	VOC content (%)	VOC Emissions (lb/day)	VOC Emissions (ton/yr)
Collectors	150	pounds per day	PAX, Aero MX-5160, Aero Magold 900	0.015	2.25	0.41
Promoter	50	pounds per day	Aero 707, Aero 208	0	0	0.00
Frother	80	pounds per day	Aerofroth 70 - MIBC, Aerofroth 65 - Polypropylene Gylcol	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	**2.25**	**0.41**

Notes: VOC content based off of product MSDS.

Idaho-Maryland Mine Project
Diesel Storage Tanks

							ROG Emissions (lb/day)			ROG Emissions (ton/yr)		
Fuel Tank	**Fuel Type**	**Tank Type**	**Tank Size (gallons)**	**Gallons Per Day**	**Gallons Per year**	**Turnovers per year**	**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

Idaho-Maryland Mine Project
Fugitive Dust from Earthwork and Material Handling

Disturbed Area Fugitive Dust

Equations:

$E_{PM10} = (0.051 \times (S)^{2.0} \times F_{PM10}) \times (As/Wb \times 43{,}560/5{,}280)$

$E_{PM2.5} = (0.051 \times (S)^{2.5} \times F_{PM2.5}) \times (As/Wb \times 43{,}560/5{,}280)$

Where:

E_{PM10} = PM_{10} emissions from ground disturbance (pounds of PM_{10})

$E_{PM2.5}$ = $PM_{2.5}$ emissions from ground disturbance (pounds of $PM_{2.5}$)

S = mean vehicle speed (mph); AP-42 default value is 7.1 mph

F_{PM10} = PM_{10} scaling factor; AP-42 default value is 0.6

$F_{PM2.5}$ = $PM_{2.5}$ scaling factor; AP-42 default value is 0.031

As = acreage of the grading site

Wb = blade width of grading equipment; CalEEMod default is 12 feet

Material Handling Fugitive Dust

Equations:

E = k*(0.0032)*(((U/5)^1.3)/((M/2)^1.4))*TP

Where:

E = Particulate emissions (in pounds) from truck loading/unloading

k = particle size multiplier; AP-42 default value is 0.35 for PM10 and 0.053 for PM2.5

U = mean wind speed (mph); default for Nevada County is 2.2 meter/sec = 4.9 mph

M = material moisture content; CalEEMod uses 12% (moisture content of cover) as default

TP = material throughput (tons)

Emissions Calculations:

Year 2021 ***Construction***

Disturbed Area Fugitive Dust

Grading and Paving Phase 312 days (6 days/week, January - December 2021)

Equipment	Qty	Acres/8-hr day	Total Acres	Square-Feet	Total VMT	VMT/day	Daily Emissions (lb/day)		Monthly Emissions (lbs/month)		Annual Emissions (tons/year)	
							PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Dozers	1	0.5	195	8,494,200	134.06	0.43	0.66	0.09	0.01	0.001	0.10	0.01
Grader/Compaction	1	0.5	195	8,494,200	134.06	0.43	0.66	0.09	0.01	0.001	0.10	0.01
						Total - Without Water Trucks	**1.33**	**0.18**	**0.02**	**0.00**	**0.21**	**0.03**
						Total - With Water Trucks[2]	**0.60**	**0.08**	**0.01**	**0.00**	**0.09**	**0.01**

1. Total acres based on 10 hours/day, 6 days/week operation of equipment

2. Water trucks assumed to reduce particulate matter by 55% for 2x per day application, per CalEEMod 2016.3.2

Material Handling Fugitive Dust

Grading and Paving Phase 77 days (6 days/week, January - March 2021)

Area	Cut (yd^3)	Fill (yd^3)	Total Material (yd^3)	Total Material (tons)	Daily Emissions (lb/day)		Monthly Emissions (lbs/month)		Annual Emissions (tons/year)	
					PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Pond berm	4,000.00	4,000.00	8,000.00	12,160.00	0.01	0.00	0.000	0.000	0.00	0.00
Service shaft collar	50,000.00	50,000.00	100,000.00	152,000.00	0.18	0.03	0.002	0.000	0.01	0.00
Building pad	28,000.00	37,000.00	65,000.00	98,800.00	0.11	0.02	0.001	0.000	0.00	0.00
Entrance area	1,000.00	1,500.00	2,500.00	3,800.00	0.00	0.00	0.000	0.000	0.00	0.00
Timbered area	150,000.00	150,000.00	300,000.00	456,000.00	0.53	0.08	0.007	0.001	0.02	0.00
Summary	**233,000.00**	**242,500.00**	**475,500.00**	**722,760.00**	**0.83**	**0.13**	**0.01**	**0.00**	**0.03**	**0.00**

Year 2022 - Year 2026 *Mining, Brunswick Site, Fill Placement at Centennial*

Disturbed Area Fugitive Dust

Engineered Fill Placement - Centennial 260 days/year

Equipment	Qty	Acres/8-hr day	Total Acres[1]	Square-Feet	Total VMT	VMT/day	Daily Emissions (lb/day)		Monthly Emissions (lbs/month)		Annual Emissions (tons/year)	
							PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Dozers	1	0.5	65	2,831,400	44.69	0.17	0.27	0.04	0.00	0.000	0.03	0.00
Grader/Compaction	1	0.5	65	2,831,400	44.69	0.17	0.27	0.04	0.00	0.000	0.03	0.00
						Total - Without Water Trucks	**0.53**	**0.07**	**0.01**	**0.00**	**0.07**	**0.01**
						Total - With Water Trucks[2]	**0.24**	**0.03**	**0.00**	**0.00**	**0.03**	**0.00**

1. Total acres based on 4 hour/day, 5 days/week operation of equipment
2. Water trucks assumed to reduce particulate matter by 55% for 2x per day application, per CalEEMod 2016.3.2

Material Handling Fugitive Dust

Engineered Fill Placement - Centennial 365 days/year

Area	Daily Cut (yd^3)	Daily Fill (yd^3)	Total Daily Material (yd^3)	Total Material (tons)	Daily Emissions (lb/day)		Monthly Emissions (lbs/month)		Annual Emissions (tons/year)	
					PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Engineered fill - Re-handling[1]	659.00		659.00	1,000.00	0.00	0.00	0.000	0.000	0.00	0.00
Engineered fill placement - at Centennial[1]		659.00	659.00	1,000.00	0.00	0.00	0.000	0.000	0.00	0.00
Summary	**659.00**	**659.00**	**1,318.00**	**2,000.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

1. Based on total engineered fill of 1,000 tons per day, or 659 cubic yards per day

Year 2027 - Year 2032 *Mining, Brunswick Site, Fill Placement at Brunswick*

Disturbed Area Fugitive Dust

Engineered Fill Placement - Brunswick 260 days/year

Equipment	Qty	Acres/8-hr day	Total Acres	Square-Feet	Total VMT	VMT/day	Daily Emissions (lb/day)		Monthly Emissions (lbs/month)		Annual Emissions (tons/year)	
							PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Dozers	1	0.5	65	2,831,400	44.69	0.17	0.27	0.04	0.00	0.000	0.03	0.00
Grader/Compaction	1	0.5	65	2,831,400	44.69	0.17	0.27	0.04	0.00	0.000	0.03	0.00
						Total - Without Water Trucks	**0.53**	**0.07**	**0.01**	**0.00**	**0.07**	**0.01**
						Total - With Water Trucks[2]	**0.24**	**0.03**	**0.00**	**0.00**	**0.03**	**0.00**

1. Total acres based on 4 hour/day, 5 days/week operation of equipment
2. Water trucks assumed to reduce particulate matter by 55% for 2x per day application, per CalEEMod 2016.3.2

Material Handling Fugitive Dust

Engineered Fill Placement - Brunswick 365 days/year

Area	Daily Cut (yd^3)	Daily Fill (yd^3)	Total Daily Material (yd^3)	Total Material (tons)	Daily Emissions (lb/day)		Monthly Emissions (lbs/month)		Annual Emissions (tons/year)	
					PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Engineered fill - Re-handling[1]	659.00		659.00	1,000.00	0.00	0.00	0.000	0.000	0.00	0.00
Engineered fill placement - at Brunswick[1]		659.00	659.00	1,000.00	0.00	0.00	0.000	0.000	0.00	0.00
Summary	**659.00**	**659.00**	**1,318.00**	**2,000.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

1. Based on total engineered fill of 1,000 tons per day, or 659 cubic yards per day

Year 2033 - 2102 *Mining, Brunswick Site, Fill Placement Off-Site*

Material Handling Fugitive Dust

Engineered Fill Placement - Off-Site 365 days/year

Idaho-Maryland Mine Project
Fugitive Dust TAC Emissions from Earthwork and Material Handling

Year 2021 — ***Construction***

Disturbed Area Fugitive Dust

Grading and Paving Phase 312 days/year

Pollutant	(lb/day)[1]	lb/hour	lb/year
Asbestos	0.00001	0.0000006	0.00
Silica	0.36	0.0149133	111.67

1. Includes 55% reduction in particulate matter for 2x per day water truck application, per CalEEMod 2016.3.2

Material Handling Fugitive Dust

Grading and Paving Phase 77 days/year

Pollutant	(lb/day)	lb/hour	lb/year
Asbestos	0.000020837	0.0000008682	0.01
Silica	0.50	0.0208374	156.03

Year 2022 - Year 2026 — ***Mining, Brunswick Site, Fill Placement at Centennial***

Disturbed Area Fugitive Dust

Engineered Fill Placement - Centennial 260 days/year

Pollutant	(lb/day)[1]	lb/hour	lb/year
Asbestos	0.00001	0.0000002	0.00
Silica	0.14	0.0059653	37.22

1. Includes 55% reduction in particulate matter for 2x per day water truck application, per CalEEMod 2016.3.2

Material Handling Fugitive Dust

Engineered Fill Placement - Centennial 365 days/year

Pollutant	(lb/day)	lb/hour	lb/year
Asbestos	0.000000012	0.0000000005	0.000004
Silica	0.00	0.0000122	0.11

Year 2027 - Year 2032 — ***Mining, Brunswick Site, Fill Placement at Brunswick***

Disturbed Area Fugitive Dust

Engineered Fill Placement - Brunswick 260 days/year

Pollutant	(lb/day)[1]	lb/hour	lb/year
Asbestos	0.000005965	0.0000002486	0.001551
Silica	0.14	0.0059653	37.22

1. Includes 55% reduction in particulate matter for 2x per day water truck application, per CalEEMod 2016.3.2

Material Handling Fugitive Dust

Engineered Fill Placement - Brunswick 365 days/year

Pollutant	(lb/day)	lb/hour	lb/year
Asbestos	0.000000012	0.0000000005	0.000004
Silica	0.00	0.0000122	0.11

Asphalt Paving

Idaho-Maryland Mine Project
Asphalt Paving Emissions

Asphalt Paving Off-Gassing

Equations:

$E_{AP} = EF_{AP} \times A_{parking}$

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 (grams per pound) x 3.875 (liters per gallon) / 180 (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 x 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	133,000	0.0000214	2.85	0.52
Parking Lot	102,000	0.0000003542	0.04	0.01
Total			**2.88**	**0.53**

Wastewater Septic System

Idaho-Maryland Mine Project

Septic System GHGs

Equations:

Methane (CH_4) Generation

CH_4 (MT) = Wastewater x BOD_5 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 (N_2O) Generation

N_2O (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_2O and N_2
EF effluent	0.005	kg N_2O/kg N	N_2O 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_2O/Yr	MT CO_2e/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	210.00
CH_4	lb/MWh	0.0290
N_2O	lb/MWh	0.0062

1. Emission factors for CO2, CH4, and N2O are from the CalEEMod software version 2016.3.2 for PG&E. CO_2 was adjusted based PG&E's reported intensity for 2017 which is from the PG&E Corporate Responsibility and Sustainability Report (2019). This value will decrease overtime due to the Renewable Portfolio Standard, but was used for all scenarios as a conservative estimate.

Emissions Calculations:

Year 2021	***Construction***						
	Daily Electricity Demand (kWh)[1]	**Annual Electricity Demand (kWh)[1]**	**Annual Electricity Demand (MWh)[2]**	**Electricity Emissions (Metric Tons/Year)**			
Electricity Consumption				**CO_2**	**CH_4**	**N_2O**	**CO_2e**
Underground Mine	41,375.25	15,101,967.70	15,101.97	1,438.53	0.20	0.04	1,456.09
Water Treatment	3,312.24	1,208,967.60	1,208.97	115.16	0.02	0.00	116.57
Raise Boring	3,355.65	202,010.13	202.01	19.24	0.00	0.00	19.48
Total			**16,512.95**	**1,572.93**	**0.22**	**0.05**	**1,592.13**

1. Electricity consumption estimates were provided by Rise Grass Valley.
2. Conversion: 1 MWh = 1,000 kWh

Each Operational Year	***All Operational Scenarios***						
	Daily Electricity Demand (kWh)[1]	**Annual Electricity Demand (kWh)[1]**	**Annual Electricity Demand (MWh)[2]**	**Electricity Emissions (Metric Tons/Year)[3]**			
Electricity Consumption				**CO_2**	**CH_4**	**N_2O**	**CO_2e**
Underground Mine	70,132.58	25,598,392.23	25,598.39	2,438.36	0.34	0.07	2,468.13
Ore Processing Facility	53,780.04	19,629,712.85	19,629.71	1,869.82	0.26	0.05	1,892.64
Water Treatment	4,981.68	1,818,313.20	1,818.31	173.20	0.02	0.01	175.32
Surface Buildings	7,031.25	2,566,406.25	2,566.41	244.46	0.03	0.01	247.45
Total			**49,612.82**	**4,725.84**	**0.65**	**0.14**	**4,783.53**

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	210.00
CH_4	lb/MWh	0.0290
N_2O	lb/MWh	0.0062

1. Emission factors for CO2, CH4, and N2O are from the CalEEMod software version 2016.3.2 for PG&E. CO_2 was adjusted based PG&E's reported intensity for 2017 which is from the PG&E Corporate Responsibility and Sustainability Report (2019). This value will decrease overtime due to the Renewable Portfolio Standard, but was 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 2021 — ***Construction***

Water Demand — Water use for dust suppression during construction sourced from treated mine water

Year 2022 - Year 2026 — ***Mining, 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_2e	metric tons/yr	**1.64**	**4.07**	**5.71**
CO_2	metric tons/yr	1.62	4.02	5.64
CH_4	metric tons/yr	0.00	0.00	0.00
N_2O	metric tons/yr	0.00	0.00	0.00

Year 2027 - Year 2032 — ***Mining, 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_2e	metric tons/yr	**1.64**	**0.36**	**2.00**
CO_2	metric tons/yr	1.62	0.36	1.97
CH_4	metric tons/yr	0.00	0.00	0.00
N_2O	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_2e	metric tons/yr	**1.64**	**0.36**	**2.00**
CO_2	metric tons/yr	1.62	0.36	1.97
CH_4	metric tons/yr	0.00	0.00	0.00
N_2O	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_2e
Idaho Maryland Mine Buildings - Employee Waste	41.55	2.46	102.94

APPENDIX B

Health Risk Assessment

Health Risk Assessment Report for the Idaho-Maryland Mine Project Nevada County, California

Prepared for:

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MARCH 2021

Table of Contents

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
$\mu g/m^3$	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 19191 and the Hotspots Analysis and Reporting Program Version 2 (HARP2) Version 19121. 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 8.0 in 1 million, which would not 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 4.6 in 1 million. The unmitigated and mitigated chronic hazard index would be 0.3 and 0.3 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 0.008 and 0.008 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 (µg/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 µg/m^3 divided by the reference exposure level (REL), also in units of µg/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 19191, 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 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. 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
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 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

Table 2. Emission Source Parameters

			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
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

Table 2. Emission Source Parameters

			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 Release Height: 5.00 m Emission Rate[2]: 0.02 g/s Variable Emissions Scenario: 12 hours per day, 6 days per week

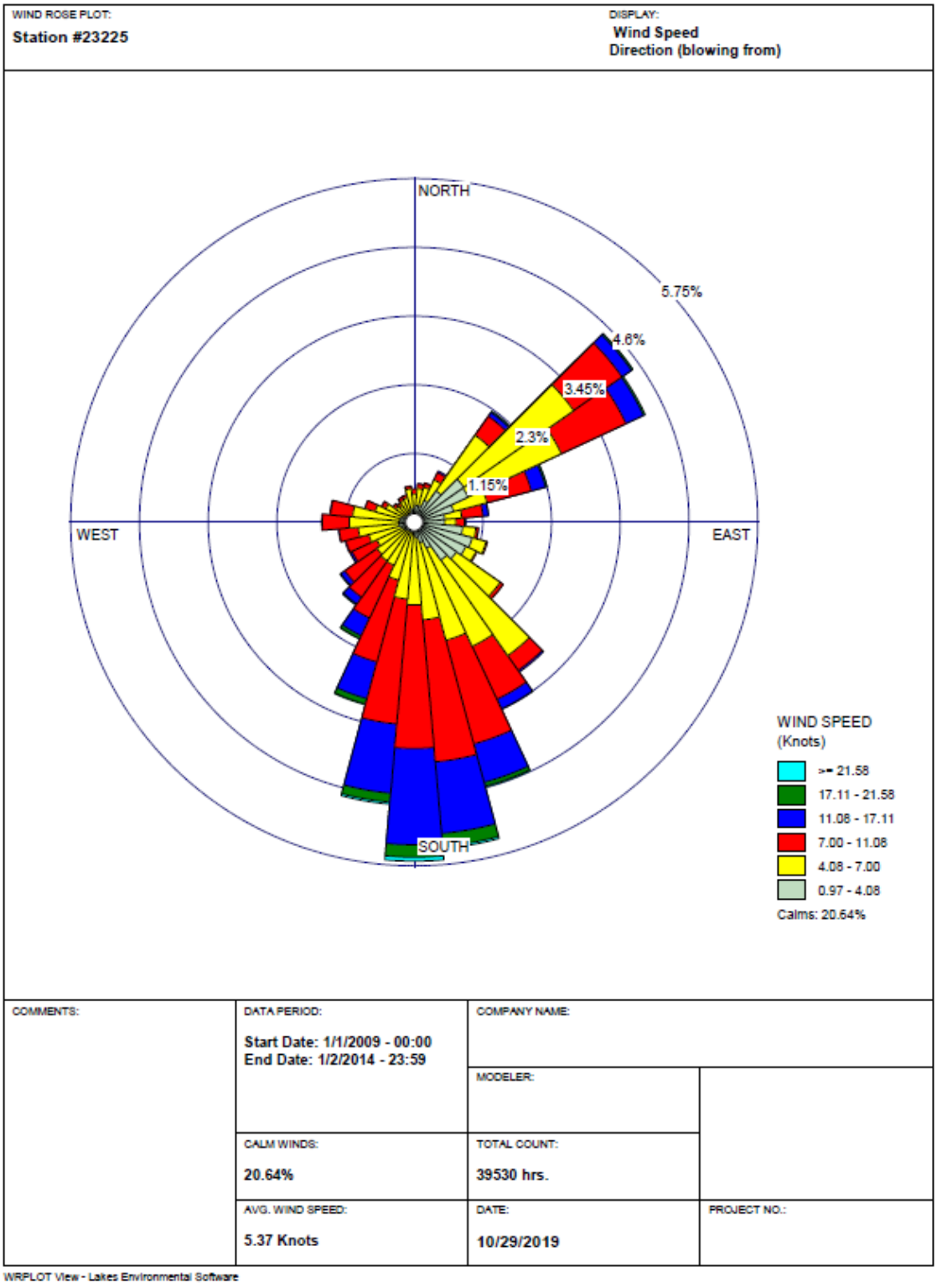
Table 2. Emission Source Parameters

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; ft^3/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 2021 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 Vehicle Trip Assumptions.

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
		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
		Excavator	Diesel	1	8	6

Table 3. Construction Off-Road Equipment Assumptions

Construction Phase	Schedule (Month/Year)	Equipment				
		Equipment Type	*Fuel*	*Quantity*	*Usage Hours Per Day*	*Days Per Week*
		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
		Emergency Generators	Diesel	2		
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 of Rise Grass Valley Inc. 2020 for details.

Table 4. Construction 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)
Project management, engineers, surveyors					
Workers	16.8	12	202	3,744	62,899
Pickup Trucks	15	8	120	2,496	37,440
Foundation and concrete contractor					
Workers	16.8	16	269	4,992	83,866
Pickup Trucks	15	8	120	2,496	37,440

Table 4. Construction 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)
Concrete Trucks	5	2	10	624	3,120
Grading and paving contractor					
Workers	16.8	12	202	3,744	62,899
Water Trucks	10	2	20	624	6,240
Haul Trucks	5	2	10	624	3,120
Building contractor					
Workers	16.8	20	336	6,240	104,832
Pickup Trucks	15	8	120	2,496	37,440
Ironworkers (headframes)					
Workers	16.8	16	269	800	13,440
Pickup Trucks	15	8	120	400	6,000
Electrical and mechanical contractors					
Workers	16.8	20	336	6,240	104,832
Pickup Trucks	15	8	120	2,496	37,440
Potable water installation					
Workers	16.8	12	202	1,224	20,563
Water Trucks	10	2	20	204	2,040
Haul Trucks	20	2	40	204	4,080
PG&E power line work					
Workers	16.8	10	168	780	13,104
Haul Trucks	20	2	40	156	3,120
Underground shaft contractors					
Workers	16.8	10	168	2,740	46,032
Raise bore contractor					
Workers	16.8	8	134	480	8,064
Underground construction					
Workers	16.8	10	168	1,210	20,328
Mine Dewatering					
Workers	16.8	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. 2020 for details.
Pickup trucks would be used on-site, with a conservative trip length of 15 miles.
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 the applicant determined were appropriate for the project.

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 grading and material handling (total of 233,000 cubic yards of cut and 242,500 cubic yards of fill). Emission factors for these sources were incorporated into a spreadsheet model and include the CARB OFFROAD2011 model for diesel-fueled off-road equipment and the CARB Mobile Source Emissions Inventory Model (EMFAC, version 2017) model for on-road vehicles. 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

Year	DPM	Asbestos	Silica
	Tons per year		
Unmitigated Construction			
2021	0.27	0.0006	0.13
Mitigated Construction[1]			
2021	0.09	0.0006	0.13

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 for 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. 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. 2020), 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

Table 6. Operational Off-Road Equipment Assumptions

Location	Equipment				
	Equipment Type	*Fuel*	*Quantity*	*Usage Hours Per Day*	*Days Per Week*
	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
	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
Engineered Fill Placement: Centennial Industrial Site and Brunswick Industrial Site	Dozer	Diesel	1	4	5
	Grader	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 of Rise Grass Valley Inc. 2020 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. Emissions calculation equations and assumptions were primarily derived from the California Emissions Estimator Model (CalEEMod). 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 Vehicle Trip Assumptions.

Table 7. Operations On-Road Vehicle Trip Assumptions

Project Vehicle	Average Daily Trip Length (miles)	Average Daily Trips (trips/day)	Average 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	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
Year 2027 to Year 2032 – Engineered Fill to Brunswick Site					
Engineered Fill Haul Trucks	0.25	200	50	36,500	9,125
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
Year 2033 to Year 2102 - Engineered Fill to Other Customers					
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, a haul truck trip length of 0.25 miles was assumed based on the estimated distance from the ore processing facility to the engineered fill drop-off area on the Brunswick Industrial Site.
For 2033, a 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.

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, with the exception of the haul trucks, where a specific speed was assumed for the 2027 scenario. For the 2027 scenario, haul trucks were assumed to travel from the ore processing facility to the engineered fill drop-off area on the Brunswick Industrial Site, and were estimated to travel at 20 miles per hour.

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, freight trucks, explosive trucks, and concentrate trucks were assumed to be heavy-heavy-duty trucks that are diesel-fueled. The fuel trucks and cement delivery 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.

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 ANFO (AP-42 Chapter 13.3 – Explosives Detonation and Chapter 11.9 – Western Surface Coal Mining), 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. The applicant has prepared an Asbestos, Serpentinite, and Ultramafic Rock Management Plan (ASUR Plan) which is designed to exclude asbestos containing material, serpentinite, or ultramafic rock from the engineered fill produced by the project (Rise Grass Valley Inc. 2021). The ASUR plan also is designed to prevent the emission of dust from the underground mine which contains asbestos. For conservatism in the modelling of TAC emissions, the materials mined and engineered fill are assumed to be composed of 1% serpentinite with an asbestos content of 0.25%, which is the detection limit for the bulk asbestos testing proposed in the ASUR plan. The average asbestos content of the materials mined, assumed at 0.0025%, 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 PM_{10} emissions estimated, emissions of asbestos, silica, and heavy metals were estimated for purposes of this HRA. As described in the ASUR Plan, the project would employ ventilation engineering controls systems for all mine headings where tunneling is taking place in serpentinite containing asbestos. The engineering controls will be designed to prevent asbestos fibers from exhausting from tunneling areas into the main ventilation system of the underground mine and consequently from being exhausted from the underground mine to surface. Engineering controls would include air filtration designed to remove 95% of asbestos fibers. 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).

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 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 (PM_{10}) 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). Once inside the processing building, all processes are considered wet and would not generate fugitive dust. Based on the PM_{10} 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.

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 and grader. Fugitive dust emissions associated with the earthwork activities (i.e., material transfers to/from trucks and fill spreading at the Centennial and Brunswick Industrial Sites) were estimated using default equations and assumptions from CalEEMod based on 1,000 tons per day material transfer and 0.5 acres per 8-hour day potential disturbance associated with each dozer and grader. Notably, for fill transported to other off-site industrial sites (for 2033 and beyond), only fugitive dust from the transfer of the 1,000 tons of fill into trucks at the ore processing facility was included in the emission inventory, since it was assumed that the other industrial facilities are already receiving, or would receive, fill from another source. Similar to other fugitive dust sources on site, emissions of asbestos, silica, and heavy metals were estimated based off the fugitive dust composition.

Overall, Table 8 summarizes the potential TAC emissions emitted during the operational phase of the project.

Table 8. 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	6.00E-03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
On-Road Vehicles	1.00E-02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Underground Blasting and Crushing	–	3.22E-07	1.47E-01	4.40E-03	1.28E-05	1.61E-05	–	3.00E-05	1.00E-07	5.99E-06	1.05E-04	5.04E-05	9.11E-04	5.73E-05	6.43E-05	9.05E-06	1.00E-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	–
Ore Processing	–	1.88E-03	4.51E-01	–	–	–	–	1.19E-06	1.37E-09	1.20E-08	9.26E-07	7.82E-07	1.07E-05	1.49E-06	1.03E-07	3.29E-08	1.68E-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	–	7.78E-05	1.87E-02	–	–	–	–	2.00E-07	1.00E-08	4.00E-08	8.00E-06	6.00E-07	8.00E-05	3.00E-06	4.00E-06	3.00E-08	9.00E-06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total	**2.07E-02**	**1.96E-03**	**6.17E-01**	**4.90E-03**	**1.01E-03**	**3.16E-04**	**9.00E-05**	**3.14E-05**	**1.11E-07**	**6.04E-06**	**1.14E-04**	**5.18E-05**	**1.00E-03**	**6.18E-05**	**6.84E-05**	**9.11E-06**	**1.09E-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**
2027 – 2032																																
Off-Road Equipment	6.00E-03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
On-Road Vehicles	5.00E-03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Underground Blasting and Crushing	–	3.22E-07	1.47E-01	4.40E-03	1.28E-05	1.61E-05	–	3.00E-05	1.00E-07	5.99E-06	1.05E-04	5.04E-05	9.11E-04	5.73E-05	6.43E-05	9.05E-06	1.00E-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	–
Ore Processing	–	1.88E-03	4.51E-01	–	–	–	–	1.19E-06	1.37E-09	1.20E-08	9.26E-07	7.82E-07	1.07E-05	1.49E-06	1.03E-07	3.29E-08	1.68E-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	–	7.78E-05	1.87E-02	–	–	–	–	2.00E-07	1.00E-08	4.00E-08	8.00E-06	6.00E-07	8.00E-05	3.00E-06	4.00E-06	3.00E-08	9.00E-06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total	**1.57E-02**	**1.96E-03**	**6.17E-01**	**4.90E-03**	**1.01E-03**	**3.16E-04**	**9.00E-05**	**3.14E-05**	**1.11E-07**	**6.04E-06**	**1.14E-04**	**5.18E-05**	**1.00E-03**	**6.18E-05**	**6.84E-05**	**9.11E-06**	**1.09E-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**
2033 – 2102																																
Off-Road Equipment	4.00E-03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
On-Road Vehicles	2.00E-02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Underground Blasting and Crushing	–	3.22E-07	1.47E-01	4.40E-03	1.28E-05	1.61E-05	–	3.00E-05	1.00E-07	5.99E-06	1.05E-04	5.04E-05	9.11E-04	5.73E-05	6.43E-05	9.05E-06	1.00E-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	–
Ore Processing	–	1.88E-03	4.51E-01	–	–	–	–	1.19E-06	1.37E-09	1.20E-08	9.26E-07	7.82E-07	1.07E-05	1.49E-06	1.03E-07	3.29E-08	1.68E-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	–	–	–	–	–	–	–	2.00E-10	1.00E-11	4.00E-11	8.00E-09	6.00E-10	8.00E-08	3.00E-09	4.00E-09	3.00E-11	1.00E-09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total	**2.87E-02**	**1.88E-03**	**5.98E-01**	**4.90E-03**	**1.01E-03**	**3.16E-04**	**9.00E-05**	**3.12E-05**	**1.01E-07**	**6.00E-06**	**1.06E-04**	**5.12E-05**	**9.22E-04**	**5.88E-05**	**6.44E-05**	**9.08E-06**	**1.00E-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.[2]

[2] 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 $\mu g/m^3$ 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 OEHHA 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 9.

Table 9. Project Construction and Operation Total Health Risk

Receptor	Cancer Risk (persons per million)	Chronic Impact	Acute Impact
Unmitigated Project			
Maximally Exposed Individual Resident[1]	8.0	0.3	0.008
NSAQMD Significance Criteria	10	1.0	1.0
Exceed Threshold?	**No**	**No**	**No**
Mitigated Project[2]			
Maximally Exposed Individual Resident[1]	4.6	0.3	0.008
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 9, the incremental cancer risk at the MEIR of 8.0 in 1 million (assuming exposure starts in third trimester) from project construction and operation would not 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 4.6 in 1 million. The unmitigated and mitigated chronic hazard index would be 0.3 and 0.3 at the MEIR, respectively, which would be below the NSAQMD threshold of 1.0. The unmitigated and mitigated acute hazard index would be 0.008 and 0.008 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

```
** Lakes Environmental AERMOD MPI
**
**************************************
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** AERMOD Input Produced by:
** AERMOD View Ver. 9.8.3
** Lakes Environmental Software Inc.
** Date: 2/24/2020
** File: F:\Lakes\IMM\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
```

```
** 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
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Centennial Haul Truck Route
** PREFIX
** Length of Side = 25.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 25.00
** SZINIT = 11.63
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LOCATION L0000645 VOLUME 669894.248 4343296.589 821.74
LOCATION L0000646 VOLUME 669869.351 4343294.325 820.43
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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

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   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
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   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
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** 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
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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
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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

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   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
** ----------------------------------------------------------------
** 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
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   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
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** 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
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   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
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   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
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** DESCRSRC Building Construction
   LOCATION VOL2         VOLUME     671212.860  4341826.590      830.180
** DESCRSRC Building Construction
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** 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
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   LOCATION L0000855     VOLUME   671122.394 4342164.691 843.88
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   LOCATION L0000858     VOLUME   671057.441 4342171.470 846.77
   LOCATION L0000859     VOLUME   671074.966 4342189.299 847.30
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   LOCATION L0000868     VOLUME   671137.063 4342348.416 860.07
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   LOCATION L0000873     VOLUME   671055.990 4342442.967 855.36
   LOCATION L0000874     VOLUME   671041.182 4342463.110 852.16
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   LOCATION L0000881     VOLUME   670951.927 4342613.134 853.49
   LOCATION L0000882     VOLUME   670940.255 4342635.242 855.41
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   LOCATION L0000884     VOLUME   670916.909 4342679.457 859.07
   LOCATION L0000885     VOLUME   670905.236 4342701.564 859.86
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   LOCATION L0000889     VOLUME   670849.328 4342784.133 865.89
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   LOCATION L0000891     VOLUME   670814.826 4342819.423 865.02
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   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
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LOCATION L0000901 VOLUME 670607.487 4342959.104 844.46
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LOCATION L0000918 VOLUME 670286.911 4343192.888 826.28
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LOCATION L0000929 VOLUME 670027.331 4343283.682 825.76
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LOCATION L0000932 VOLUME 669956.257 4343305.968 825.68
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LOCATION L0000944 VOLUME 669658.910 4343289.028 803.03
LOCATION L0000945 VOLUME 669634.451 4343294.202 799.27

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LOCATION L0000948 VOLUME 669567.918 4343328.623 791.52
LOCATION L0000949 VOLUME 669545.817 4343340.308 789.33
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LOCATION L0000968 VOLUME 669140.101 4343306.108 763.92
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LOCATION L0000970 VOLUME 669122.982 4343352.268 761.90
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LOCATION L0000972 VOLUME 669108.247 4343400.048 759.58
LOCATION L0000973 VOLUME 669100.879 4343423.937 761.18
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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
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LOCATION L0000991 VOLUME 668658.061 4343395.646 754.66
LOCATION L0000992 VOLUME 668633.171 4343397.990 752.92
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LOCATION L0000994 VOLUME 668583.391 4343402.680 750.39
LOCATION L0000995 VOLUME 668558.502 4343405.024 750.40

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   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
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   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
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** 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
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   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
** 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
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   AREAVERT PAREA1       671120.324 4342113.422 671116.450 4342099.686
   SRCPARAM STCK1        0.1666666667    19.510     0.000   5.77000     1.480
   SRCPARAM STCK2        0.1666666667    19.510     0.000   5.77000     1.480
   SRCPARAM STCK3        0.1666666667    19.510     0.000   5.77000     1.480
   SRCPARAM STCK4        0.1666666667    19.510     0.000   5.77000     1.480
   SRCPARAM STCK5        0.1666666667    19.510     0.000   5.77000     1.480
   SRCPARAM STCK6        0.1666666667    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
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   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
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SRCPARAM L0000335     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000336     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000337     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000338     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000339     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000340     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000341     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000342     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000343     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000344     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000345     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000346     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000347     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000348     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000349     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000350     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000351     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000352     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000353     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000354     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000355     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000356     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000357     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000358     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000359     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000360     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000361     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000362     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000363     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000364     0.0038610039      5.00     11.63     11.63
SRCPARAM L0000365     0.0038610039      5.00     11.63     11.63
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   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
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** 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
   SRCPARAM L0000412     0.0153846154      5.00     11.63     11.63
   SRCPARAM L0000413     0.0153846154      5.00     11.63     11.63
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SRCPARAM L0000414     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000415     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000416     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000417     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000418     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000419     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000420     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000421     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000422     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000423     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000424     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000425     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000426     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000427     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000428     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000429     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000430     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000431     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000432     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000433     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000434     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000435     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000436     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000437     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000438     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000439     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000440     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000441     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000442     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000443     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000444     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000445     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000446     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000447     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000448     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000449     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000450     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000451     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000452     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000453     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000454     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000455     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000456     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000457     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000458     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000459     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000460     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000461     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000462     0.0153846154      5.00     11.63     11.63
SRCPARAM L0000463     0.0153846154      5.00     11.63     11.63
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   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
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** 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
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   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
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** 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
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   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
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** 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
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** 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
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   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
   SRCPARAM L0000873     0.0063291139      5.00     11.63     11.63
   SRCPARAM L0000874     0.0063291139      5.00     11.63     11.63
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SRCPARAM L0000875     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000876     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000877     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000878     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000879     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000880     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000881     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000882     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000883     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000884     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000885     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000886     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000887     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000888     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000889     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000890     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000891     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000892     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000893     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000894     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000895     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000896     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000897     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000898     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000899     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000900     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000901     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000902     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000903     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000904     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000905     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000906     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000907     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000908     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000909     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000910     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000911     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000912     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000913     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000914     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000915     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000916     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000917     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000918     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000919     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000920     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000921     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000922     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000923     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000924     0.0063291139      5.00     11.63     11.63
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SRCPARAM L0000925     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000926     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000927     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000928     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000929     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000930     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000931     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000932     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000933     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000934     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000935     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000936     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000937     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000938     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000939     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000940     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000941     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000942     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000943     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000944     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000945     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000946     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000947     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000948     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000949     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000950     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000951     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000952     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000953     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000954     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000955     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000956     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000957     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000958     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000959     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000960     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000961     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000962     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000963     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000964     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000965     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000966     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000967     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000968     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000969     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000970     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000971     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000972     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000973     0.0063291139      5.00     11.63     11.63
SRCPARAM L0000974     0.0063291139      5.00     11.63     11.63
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   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
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   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

** 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
   EMISFACT L0000675     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
   EMISFACT L0000676     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000676     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0000676     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0000676     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
   EMISFACT L0000677     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000677     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0000677     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0000677     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
   EMISFACT L0000678     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000678     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0000678     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
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EMISFACT L0000678     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000679     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000679     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000679     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000679     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000680     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000680     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000680     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000680     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000681     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000681     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000681     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000681     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000682     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000682     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000682     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000682     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000683     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000683     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000683     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000683     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000684     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000684     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000684     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000684     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000685     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000685     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000685     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000685     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000686     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000686     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000686     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000686     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000687     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000687     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000687     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000687     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000688     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000688     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000688     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000688     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
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EMISFACT L0000949     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
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EMISFACT L0000949     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000950     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000950     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000950     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000950     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000951     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000951     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000951     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000951     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000952     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000952     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000952     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000952     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000953     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000953     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000953     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000953     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000954     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000954     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000954     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000954     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000955     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000955     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000955     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000955     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000956     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000956     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000956     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000956     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000957     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000957     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000957     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000957     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000958     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000958     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000958     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000958     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000959     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000959     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000959     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000959     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000960     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000960     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000960     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000960     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000961     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000961     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000961     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000961     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000962     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000962     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000962     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000962     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000963     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000963     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000963     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000963     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000964     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000964     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000964     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000964     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000965     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000965     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000965     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000965     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000966     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000966     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000966     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000966     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000967     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000967     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000967     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000967     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000968     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000968     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000968     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000968     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000969     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000969     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000969     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000969     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000970     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000970     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000970     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000970     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000971     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000971     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000971     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
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EMISFACT L0000972     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000972     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000972     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
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EMISFACT L0000973     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000973     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000973     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000973     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000974     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000974     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000974     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
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EMISFACT L0000974     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000975     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000975     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000975     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000975     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000976     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000976     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000976     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000976     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000977     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000977     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000977     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000977     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000978     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000978     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000978     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000978     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000979     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000979     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000979     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000979     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000980     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000980     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000980     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000980     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000981     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000981     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000981     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000981     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000982     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000982     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000982     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000982     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000983     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000983     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000983     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000983     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000984     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000984     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000984     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000984     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000985     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000985     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000985     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000985     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000986     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000986     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000986     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000986     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000987     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000987     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000987     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000987     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000988     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000988     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000988     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000988     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000989     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000989     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000989     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000989     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000990     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000990     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000990     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000990     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000991     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000991     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000991     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000991     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000992     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000992     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000992     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000992     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000993     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000993     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000993     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000993     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000994     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000994     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000994     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000994     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000995     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000995     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000995     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000995     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000996     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000996     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000996     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000996     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000997     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000997     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000997     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000997     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000998     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000998     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000998     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000998     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
EMISFACT L0000999     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000999     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
EMISFACT L0000999     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
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   EMISFACT L0000999     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
   EMISFACT L0001000     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001000     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001000     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001000     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
   EMISFACT L0001001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001001     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001001     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001001     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
   EMISFACT L0001002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001002     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001002     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001002     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
   EMISFACT L0001003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001003     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001003     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001003     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
   EMISFACT L0001004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001004     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001004     HRDOW 1.5 1.5 1.5 1.5 1.5 1.5
   EMISFACT L0001004     HRDOW 1.5 1.5 1.5 1.5 0.0 0.0
   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

** 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
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** 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
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EMISFACT L0000348     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000349     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000349     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000349     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000349     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000350     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000350     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000350     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000350     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000354     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000361     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000365     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000366     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
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EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000369     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000378     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000385     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000385     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000386     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000386     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000387     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000388     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000388     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000391     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
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EMISFACT L0000391     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000392     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000392     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000393     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000393     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000393     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000393     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000394     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000394     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000394     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000394     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000395     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000395     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000395     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000395     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000396     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000396     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000396     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000397     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000397     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000399     HRDOW 0.0 6.0 6.0 6.0 6.0 0.0
EMISFACT L0000399     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000400     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000400     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000400     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 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
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   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
   EMISFACT L0000408     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000409     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000409     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
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   EMISFACT L0000411     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
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EMISFACT L0000412     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
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   EMISFACT L0000409     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000409     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000409     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000409     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000410     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000410     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000410     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000410     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000411     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000411     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000411     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000411     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000412     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000412     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000412     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000412     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000413     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000413     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000413     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000413     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000414     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000414     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000414     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000414     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000415     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000415     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000415     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000415     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000416     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000416     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000416     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000416     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000417     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000417     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000417     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000417     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000418     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000418     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
   EMISFACT L0000418     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
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EMISFACT L0000418     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000419     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000419     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000419     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000419     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000420     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000420     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000420     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000420     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000421     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000421     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000421     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000421     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000422     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000422     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000422     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000422     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000423     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000423     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000423     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000423     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000424     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000424     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000424     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000424     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000425     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000425     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000425     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000425     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000426     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000426     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000426     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000426     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000427     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000427     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000427     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000427     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000428     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000428     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000428     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000428     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000429     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000429     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000429     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000429     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000430     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000430     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000430     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000430     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000431     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000431     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000431     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000431     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000432     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000432     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000432     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000432     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000433     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000433     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000433     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000433     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000434     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000434     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000434     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000434     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000435     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000435     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000435     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000435     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000436     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000436     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000436     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000436     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000437     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000437     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000437     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000437     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000438     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000438     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000438     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000438     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000439     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000439     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000439     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000439     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000440     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000440     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000440     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000440     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000441     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000441     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000441     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000441     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000442     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000442     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000442     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000442     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000443     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000443     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000443     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
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EMISFACT L0000443     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000444     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000444     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000444     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000444     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000445     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000445     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000445     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000445     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000446     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000446     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000446     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000446     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000447     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000447     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000447     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000447     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000448     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000448     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000448     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000448     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000449     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000449     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000449     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000449     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000450     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000450     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000450     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000450     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000451     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000451     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000451     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000451     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000452     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000452     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000452     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000452     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000453     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000453     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000453     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000453     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000454     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000454     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000454     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000454     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000455     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000455     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000455     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000455     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000456     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000456     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000456     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000456     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000457     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000457     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000457     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000457     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000458     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000458     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000458     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000458     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000459     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000459     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000459     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000459     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000460     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000460     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000460     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000460     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000461     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000461     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000461     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000461     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000462     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000462     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000462     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000462     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000463     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000463     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000463     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000463     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000464     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000464     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000464     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000464     HRDOW 2.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000465     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000465     HRDOW 0.0 2.0 2.0 2.0 2.0 2.0
EMISFACT L0000465     HRDOW 2.0 2.0 2.0 2.0 2.0 2.0
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
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   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
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EMISFACT L0000504     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000504     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000505     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000505     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000506     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000506     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000506     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000506     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000507     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000508     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000509     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000510     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000511     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000512     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000515     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000516     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000523     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000524     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000525     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000527     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000528     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000531     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000535     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000535     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000535     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000536     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000536     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000537     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000537     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000538     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000539     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000540     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000540     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000540     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000540     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000541     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000541     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000541     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000541     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000542     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000542     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000542     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000542     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000543     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000543     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000543     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000543     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000544     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000544     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000544     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000544     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000545     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000545     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000546     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000547     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000548     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000548     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000548     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000548     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000549     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000549     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000549     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000549     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 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
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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
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   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
   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 L0001072     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001073     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001073     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001073     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   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
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   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
** Saturday:
   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 L0001072     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001073     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001073     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001073     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   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
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** Sunday:
   EMISFACT L0001066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001066     HRDOW 0.0 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 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 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 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 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 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 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 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 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 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 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 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 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001074     HRDOW 0.0 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 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 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 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 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001020     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001020     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001021     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001021     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001020     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001020     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001021     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001021     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001022     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001022     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001023     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001023     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001024     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001024     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001025     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001025     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001026     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001026     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001027     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001027     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001028     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001028     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001028     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001029     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001029     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001030     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001030     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001031     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001034     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001034     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001035     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001035     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001035     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001036     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001036     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001037     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001037     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001040     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001041     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001041     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001041     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001042     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001042     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001043     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001043     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001044     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001045     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001047     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001047     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001048     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001049     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001049     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001050     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001050     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001051     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001051     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001051     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001052     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001052     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001052     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001053     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001053     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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   EMISFACT L0001054     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001054     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001055     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
   EMISFACT L0001055     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001056     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
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   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
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   EMISFACT L0001059     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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   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
** Saturday:
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EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001022     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001022     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001022     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001023     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001023     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001023     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001024     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001024     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001024     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001025     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001025     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001025     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001026     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001026     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001026     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001027     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001027     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001027     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001028     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001028     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001029     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001029     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001030     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001030     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001031     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001031     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001032     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001032     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001032     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001033     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001033     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001033     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001034     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001034     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001034     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001035     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001035     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001035     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001036     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001036     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001037     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001038     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001039     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001041     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001042     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001043     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001044     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001045     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001045     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001046     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001046     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001047     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001048     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001048     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001048     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001049     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001049     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001049     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001050     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001050     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001051     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001051     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001051     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001052     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001052     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001052     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001053     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001053     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
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EMISFACT L0001054     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001054     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001054     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001055     HRDOW 0.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001055     HRDOW 3.0 3.0 3.0 3.0 3.0 3.0
EMISFACT L0001055     HRDOW 3.0 0.0 0.0 0.0 0.0 0.0
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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
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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
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   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
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   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
** Sunday:
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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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
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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
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   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
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   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
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SRCGROUP SRCGP4   L0000155 L0000156 L0000157 L0000158 L0000159 L0000160
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SRCGROUP SRCGP4   L0000389 L0000390 L0000391 L0000392 L0000393 L0000394
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SRCGROUP SRCGP13  L0000887 L0000888 L0000889 L0000890 L0000891 L0000892
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   SRCGROUP SRCGP13  L0001001 L0001002 L0001003 L0001004 L0001005 L0001006
   SRCGROUP SRCGP13  L0001007 L0001008
   SRCGROUP SRCGP14  PAREA2
   SRCGROUP SRCGP15  PAREA3
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED IMM.rou
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 PERIOD SRCGP1 IMM.AD\PE00G001.PLT 46
   PLOTFILE PERIOD SRCGP2 IMM.AD\PE00G002.PLT 47
   PLOTFILE PERIOD SRCGP3 IMM.AD\PE00G003.PLT 48
   PLOTFILE PERIOD SRCGP4 IMM.AD\PE00G004.PLT 49
   PLOTFILE PERIOD SRCGP5 IMM.AD\PE00G005.PLT 50
   PLOTFILE PERIOD SRCGP6 IMM.AD\PE00G006.PLT 51
   PLOTFILE PERIOD SRCGP7 IMM.AD\PE00G007.PLT 52
   PLOTFILE PERIOD SRCGP8 IMM.AD\PE00G008.PLT 53
   PLOTFILE PERIOD SRCGP9 IMM.AD\PE00G009.PLT 54
   PLOTFILE PERIOD SRCGP10 IMM.AD\PE00G010.PLT 55
   PLOTFILE PERIOD SRCGP11 IMM.AD\PE00G011.PLT 56
   PLOTFILE PERIOD SRCGP12 IMM.AD\PE00G012.PLT 57
   PLOTFILE PERIOD SRCGP13 IMM.AD\PE00G013.PLT 58
   PLOTFILE PERIOD SRCGP14 IMM.AD\PE00G014.PLT 59
   PLOTFILE PERIOD SRCGP15 IMM.AD\PE00G015.PLT 60
   SUMMFILE IMM.sum
OU FINISHED

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

↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  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:    782 Source(s);      15 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:      3 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 =   5.0 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

 *** AERMOD - VERSION 19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***   02/24/20
 *** AERMET - VERSION 14134 ***   ***
                         ***   17:19:20

                                    PAGE   2
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                  *** POINT SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   STACK   STACK
STACK   STACK   BLDG   URBAN CAP/ EMIS RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT TEMP.   EXIT
VEL. DIAMETER EXISTS SOURCE HOR   SCALAR
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (DEG.K)
(M/SEC) (METERS)   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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                    *** VOLUME SOURCE DATA ***

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

 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
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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
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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
11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** VOLUME SOURCE DATA ***

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

 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

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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
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11.63     NO    HRDOW
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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
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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
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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
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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
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11.63     NO    HRDOW
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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
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11.63     NO    HRDOW
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                    *** VOLUME SOURCE DATA ***

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

 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
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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
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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
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11.63     NO    HRDOW
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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
11.63     NO    HRDOW
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                    *** VOLUME SOURCE DATA ***

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

 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
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11.63     NO    HRDOW
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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
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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
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 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
11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                *** VOLUME SOURCE DATA ***

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

 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

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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
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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
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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
11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                *** VOLUME SOURCE DATA ***

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

 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

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11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
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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
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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
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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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
 L0000263   0   0.38610E-02 669161.3 4342995.2   775.3   5.00   11.63
11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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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
11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** VOLUME SOURCE DATA ***

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

 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

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11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
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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
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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
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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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
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11.63   NO   HRDOW
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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
11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** VOLUME SOURCE DATA ***

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

 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

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11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
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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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000329         0   0.38610E-02  669251.8 4343090.4   772.3     5.00    11.63
11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000331         0   0.38610E-02  669245.8 4343140.0   770.7     5.00    11.63
11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
 L0000342   0   0.38610E-02 669034.1 4343261.2   764.7   5.00   11.63
11.63   NO   HRDOW
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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
11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** VOLUME SOURCE DATA ***

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

 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

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11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
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11.63     NO    HRDOW
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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
11.63     NO    HRDOW
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                    *** VOLUME SOURCE DATA ***

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

 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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000397         0   0.38610E-02  668946.3 4343177.3   768.3     5.00    11.63
11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
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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
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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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000418         0   0.15385E-01  671456.6 4341723.8   843.6     5.00    11.63
11.63     NO    HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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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
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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
11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** VOLUME SOURCE DATA ***

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

 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

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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
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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
11.63     NO    HRDOW
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                    *** VOLUME SOURCE DATA ***

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

 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
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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
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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
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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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
11.63     NO    HRDOW
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                    *** VOLUME SOURCE DATA ***

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

 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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
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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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000533          0   0.12195E-01  669689.3 4342572.1   791.3     5.00    11.63
11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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 L0000541   0   0.12195E-01 669519.1 4342670.6   785.7   5.00   11.63
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW
 L0000549   0   0.12195E-01 669418.6 4342832.2   785.9   5.00   11.63
11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** VOLUME SOURCE DATA ***

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

 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

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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000676         0   0.37037E-01  671214.7 4342102.9   840.7     5.00    11.63
11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000678         0   0.37037E-01  671260.9 4342083.8   844.1     5.00    11.63
11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000681         0   0.37037E-01  671306.3 4342024.7   846.7     5.00    11.63
11.63     NO    HRDOW
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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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
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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
```

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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
11.63     NO    HRDOW
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                    *** VOLUME SOURCE DATA ***

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

 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
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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
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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
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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
1.16      NO    HRDOW
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                    *** VOLUME SOURCE DATA ***

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

 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
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11.63     NO    HRDOW
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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
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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
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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
11.63     NO    HRDOW
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                    *** VOLUME SOURCE DATA ***

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

 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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000915          0   0.63291E-02  670351.4 4343154.9   826.3     5.00    11.63
11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000917          0   0.63291E-02  670308.8 4343181.1   826.4     5.00    11.63
11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63     NO    HRDOW
 L0000920          0   0.63291E-02  670239.7 4343209.4   826.4     5.00    11.63
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11.63   NO   HRDOW
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11.63   NO   HRDOW
 L0000922   0   0.63291E-02 670192.5 4343225.9   826.5   5.00   11.63
11.63   NO   HRDOW
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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
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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
11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** VOLUME SOURCE DATA ***

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

 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

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11.63     NO    HRDOW
 L0000936          0   0.63291E-02  669856.9 4343294.9   819.7     5.00    11.63
11.63     NO    HRDOW
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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
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11.63     NO    HRDOW
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11.63     NO    HRDOW
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11.63   NO   HRDOW
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11.63   NO   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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11.63   NO   HRDOW
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** VOLUME SOURCE DATA ***

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

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                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                  *** AREAPOLY SOURCE DATA ***

               NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER
 INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.
  SZ     SOURCE  SCALAR VARY
     ID         CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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- - - - - - - - - - - - - - - - - - - -

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                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                             *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                      SOURCE IDs
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                    SOURCE IDs
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                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

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  SRCGP12    L0001020    , L0001021    , L0001022    , L0001023    , L0001024    ,
L0001025    , L0001026    , L0001027    ,

             L0001028    , L0001029    , L0001030    , L0001031    , L0001032    ,
L0001033    , L0001034    , L0001035    ,
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

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


             L0001036    , L0001037    , L0001038    , L0001039    , L0001040    ,
L0001041    , L0001042    , L0001043    ,

             L0001044    , L0001045    , L0001046    , L0001047    , L0001048    ,
L0001049    , L0001050    , L0001051    ,

             L0001052    , L0001053    , L0001054    , L0001055    , L0001056    ,
L0001057    , L0001058    , L0001059    ,

             L0001060    , L0001061    , L0001062    , L0001063    , L0001064    ,
L0001065    , VOL1        , VOL2        ,

             L0001066    , L0001067    , L0001068    , L0001069    , L0001070    ,
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```
L0001071    , L0001072    , L0001073    ,

             L0001074    , L0001075    , L0001076    ,

  SRCGP13    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    , L0000879    ,
L0000880    , L0000881    , L0000882    ,

             L0000883    , L0000884    , L0000885    , L0000886    , L0000887    ,
L0000888    , L0000889    , L0000890    ,

             L0000891    , L0000892    , L0000893    , L0000894    , L0000895    ,
L0000896    , L0000897    , L0000898    ,

             L0000899    , L0000900    , L0000901    , L0000902    , L0000903    ,
L0000904    , L0000905    , L0000906    ,

             L0000907    , L0000908    , L0000909    , L0000910    , L0000911    ,
L0000912    , L0000913    , L0000914    ,

             L0000915    , L0000916    , L0000917    , L0000918    , L0000919    ,
L0000920    , L0000921    , L0000922    ,

             L0000923    , L0000924    , L0000925    , L0000926    , L0000927    ,
L0000928    , L0000929    , L0000930    ,

             L0000931    , L0000932    , L0000933    , L0000934    , L0000935    ,
L0000936    , L0000937    , L0000938    ,

             L0000939    , L0000940    , L0000941    , L0000942    , L0000943    ,
L0000944    , L0000945    , L0000946    ,

             L0000947    , L0000948    , L0000949    , L0000950    , L0000951    ,
L0000952    , L0000953    , L0000954    ,

             L0000955    , L0000956    , L0000957    , L0000958    , L0000959    ,
L0000960    , L0000961    , L0000962    ,
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID | SOURCE IDs

L0000963 , L0000964 , L0000965 , L0000966 , L0000967 , L0000968 , L0000969 , L0000970 ,

L0000971 , L0000972 , L0000973 , L0000974 , L0000975 , L0000976 , L0000977 , L0000978 ,

L0000979 , L0000980 , L0000981 , L0000982 , L0000983 , L0000984 , L0000985 , L0000986 ,

L0000987 , L0000988 , L0000989 , L0000990 , L0000991 , L0000992 , L0000993 , L0000994 ,

L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 , L0001002 ,

L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 ,

SRCGP14 PAREA2 ,

SRCGP15 PAREA3 ,

* 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

                   * 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

                    * 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   HOUR   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

* 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	HOUR	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

* 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	HOUR	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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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

                    * 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   HOUR   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

                    * 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  38
 *** MODELOPTs:    RegDFAULT  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   HOUR   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
```

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14 .1500E+01   15 .1500E+01   16 .1500E+01
   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

 *** 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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

                    * 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   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000566     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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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
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14 .1500E+01   15 .1500E+01   16 .1500E+01
   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 = L0000567   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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   HOUR   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

                    * 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

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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  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                   PAGE  46
 *** 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
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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
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  47
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	HOUR	SCALAR

                   * 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

* 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

*** 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
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01	16	.1500E+01
17	.1500E+01	18	.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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000577 ; SOURCE TYPE = VOLUME :

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

                    * 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE  55
 *** 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	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

*** 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

 *** 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

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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                 PAGE  59
 *** 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   HOUR   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                 PAGE  60
 *** 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   HOUR   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
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***       17:19:20

                                  PAGE  61
 *** 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   HOUR   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

* 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

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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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE  63
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 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
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000589     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  66
 *** 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   HOUR   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
```

                   * 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

                   * 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   HOUR   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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                    PAGE  69
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  70
 *** 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   HOUR   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
                        ***        02/24/20
```

* 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   HOUR   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

* 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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 = 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
```

* 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	6	.0000E+00	7	.1500E+01	8	.1500E+01
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01	16	.1500E+01
17	.1500E+01	18	.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

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

SOURCE ID = L0000600   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE  77
 *** 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   HOUR   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
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

* 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

* 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

* 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	HOUR	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

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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000605     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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   HOUR   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

* 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	HOUR	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

* 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	HOUR	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

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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
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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

                    * 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

                    * 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
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000612     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14 .1500E+01   15 .1500E+01   16 .1500E+01
   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

 *** 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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

                    * 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
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000616     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** 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   HOUR   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

                    * 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   HOUR   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

                    * 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   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  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  96
 *** 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
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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
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  97
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	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

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1500E+01	8	.1500E+01								
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01	16	.1500E+01								
17	.1500E+01	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								

*** 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	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

*** 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

*** 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
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01	16	.1500E+01
17	.1500E+01	18	.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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000627 ; SOURCE TYPE = VOLUME :

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

                    * 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 105
 *** 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	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

* 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	HOUR	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

 *** 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

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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    PAGE 109
 *** 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   HOUR   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    PAGE 110
 *** 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   HOUR   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

 *** 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   HOUR   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

* 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

                   * 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

                   * 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
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                       ***         02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***         17:19:20

                                  PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000639     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 116
 *** 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
```

                  * 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
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01   14 .1500E+01   15 .1500E+01   16 .1500E+01
   17 .1500E+01   18 .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

                  * 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

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HOUR    SCALAR    HOUR    SCALAR    HOUR    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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 119
 *** 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
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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 120
 *** 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   HOUR   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
                       ***        02/24/20
```

                  * 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

                  * 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
 -

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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  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 123
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 124
 *** 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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* 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
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.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				

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

SOURCE ID = L0000650 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 127
 *** 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
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

* 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

* 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

* 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	HOUR	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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000655     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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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

                    * 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   HOUR   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

* 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	HOUR	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

* 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
   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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                   * 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   HOUR   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

                   * 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                   * 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
```

                   * 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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

                    * 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   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000666     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** 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   HOUR   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

* 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	HOUR	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

* 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	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  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                    PAGE 146
 *** 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
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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
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 147
 *** 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	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

* 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF 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

*** 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

*** 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
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF 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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000152 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF 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

 *** 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 155
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 156
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

 *** 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

                   * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                   * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 161
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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

* 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

                  * 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

                  * 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
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000164     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 166
 *** 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
```

                  * 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
 -

                                                  DAY OF 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

                  * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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 = 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 170
 *** MODELOPTs:    RegDFAULT  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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                         ***        02/24/20
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                  * 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   HOUR   SCALAR
 -
                                                    DAY OF 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

                  * 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   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 173
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 174
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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* 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
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF 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				

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

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

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 177
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

SOURCE ID = 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

* 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

* 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	HOUR	SCALAR
DAY OF 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

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    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 181
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000180     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
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6 .0000E+00   7 .0000E+00   8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000181   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                    PAGE 185
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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

                    * 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

                    * 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 188
 *** MODELOPTs:    RegDFAULT  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

*** 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF 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

                    * 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

                    * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 192
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000191     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
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6 .0000E+00   7 .0000E+00   8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF 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 = L0000192   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

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

 SOURCE ID = L0000194   ; 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                    PAGE 196
 *** 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
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 197
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	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
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF 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 = L0000199 ; SOURCE TYPE = VOLUME :

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

DAY OF 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

*** 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

*** 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
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF 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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000202 ; SOURCE TYPE = VOLUME :

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

DAY OF 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

 *** 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
*** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 205
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 206
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

 *** 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 209
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000209     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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 = L0000210     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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

* 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

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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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 213
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 214
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 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
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 215
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000214     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 216
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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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                  * 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
 -

                                                  DAY OF 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

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

 SOURCE ID = L0000217   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 219
 *** 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
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    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 220
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                         ***        02/24/20
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* 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   HOUR   SCALAR
- -

                                                DAY OF 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

* 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   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 223
 *** 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
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 224
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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* 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
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF 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				

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

SOURCE ID = L0000225 ; SOURCE TYPE = VOLUME :

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

DAY OF 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

 *** 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

*** 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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000229 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF 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

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    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 231
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000230     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
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6 .0000E+00   7 .0000E+00   8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000231   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

 *** 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 235
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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

                  * 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

                  * 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 238
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 239
 *** 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
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                    * 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

                    * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 242
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000241     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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

 *** 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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

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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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                    PAGE 246
 *** 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

 *** 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

* 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

* 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	HOUR	SCALAR

* 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF 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

*** 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

* 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
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF 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

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

SOURCE ID = L0000252 ; SOURCE TYPE = VOLUME :

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

DAY OF 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

 *** 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000254     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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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* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

 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

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    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 259
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 260
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 261
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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

* 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                    PAGE 263
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000262     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                    PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

```
 SOURCE ID = L0000263     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 265
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000264     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 266
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
```

                  * 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

                  * 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

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 269
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 270
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                         ***        02/24/20
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                  * 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   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF 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

                  * 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   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 273
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000272     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF 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
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 274
 *** 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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 *** 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   6 .0000E+00   7 .0000E+00   8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF 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
                         ***   02/24/20
 *** AERMET - VERSION 14134 ***   ***
                       ***   17:19:20

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

 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 = 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

* 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

*** 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

* 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	HOUR	SCALAR
DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 281
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000280     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 285
 *** 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

                  * 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

                  * 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 288
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                  * 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
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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 289
 *** MODELOPTs:    RegDFAULT  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
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
```

                   * 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

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

 SOURCE ID = L0000290   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 292
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000291     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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

 *** 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

                    * 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

                    * 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   HOUR   SCALAR

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***    ***
                        ***       17:19:20

                                    PAGE 296
 *** 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

 *** 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   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF 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

* 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

* 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	HOUR	SCALAR

* 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF 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

*** 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

*** 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
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF 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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000302 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF 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

 *** 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
*** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 305
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 306
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

 *** 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 309
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 310
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                    PAGE 311
 *** 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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

* 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

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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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 313
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 314
 *** 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
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 315
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000314     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 316
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
```

                   * 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

                   * 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

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 319
 *** 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
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    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 320
 *** MODELOPTs:    RegDFAULT  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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                          ***        02/24/20
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                  * 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   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF 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

                  * 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
 -

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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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 323
 *** 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
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 324
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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* 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	6	.0000E+00	7	.0000E+00	8	.6000E+01
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF 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

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

SOURCE ID = L0000325 ; SOURCE TYPE = VOLUME :

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

DAY OF 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

* 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

*** 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

*** 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 HOUR SCALAR

DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 331
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000330     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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

                    * 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

* 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

* 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	HOUR	SCALAR

DAY OF 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

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 335
 *** 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

                    * 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

                    * 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 338
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
```

                   * 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

                    * 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

                    * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 342
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000341     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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

 *** 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   HOUR   SCALAR
 -
- -
                                              DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -

                                                DAY OF 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

                    * 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   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 346
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 347
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	HOUR	SCALAR

                   * 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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

*** 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

* 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
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF 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

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

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

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

6 .0000E+00   7 .0000E+00   8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 355
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 356
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    PAGE 359
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    PAGE 360
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 361
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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

* 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

                  * 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

                  * 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
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 365
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000364     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 366
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
```

                  * 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
 -

                                                  DAY OF 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

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

 SOURCE ID = L0000367   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF 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

* 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 HOUR SCALAR

DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 370
 *** MODELOPTs:    RegDFAULT  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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                         ***        02/24/20
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                  * 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   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF 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

                  * 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   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 373
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000372     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF 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
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 374
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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* 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
6	.0000E+00	7	.0000E+00	8	.6000E+01				
9	.6000E+01	10	.6000E+01	11	.6000E+01	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF 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				

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

SOURCE ID = L0000375 ; SOURCE TYPE = VOLUME :

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

DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 377
 *** 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
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

SOURCE ID = 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

*** 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

*** 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 HOUR SCALAR

DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 381
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000380     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
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6 .0000E+00   7 .0000E+00   8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000381   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 385
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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

                  * 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

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

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 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 388
 *** MODELOPTs:    RegDFAULT  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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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

 *** MODELOPTs: RegDFAULT 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

                    * 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

                    * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                   PAGE 392
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000391     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
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6 .0000E+00   7 .0000E+00   8 .6000E+01
    9 .6000E+01   10 .6000E+01   11 .6000E+01   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF 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 = L0000392   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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
 -

                                                    DAY OF 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

                    * 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

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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
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                    PAGE 396
 *** 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

 *** 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

* 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

* 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	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
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .6000E+01
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF 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

* 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF 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

*** 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

*** 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
9 .6000E+01 10 .6000E+01 11 .6000E+01 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF 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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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
                                                DAY OF 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

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .6000E+01
    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000404     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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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* 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	HOUR	SCALAR

DAY OF 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

*** 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	HOUR	SCALAR

DAY OF 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

 *** 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

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    9  .6000E+01   10  .6000E+01   11  .6000E+01   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 409
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 410
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000409     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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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                   * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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

*** 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

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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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 *** 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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 *** 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
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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                  PAGE 415
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000414     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 416
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
```

                  * 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

                  * 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

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 419
 *** 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
```

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    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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 420
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                       ***        02/24/20
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* 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   HOUR   SCALAR
- -

                                                DAY OF 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

* 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   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 423
 *** 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
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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
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 424
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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* 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	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

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

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

```
    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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                  PAGE 427
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
```

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

* 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

* 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

* 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	HOUR	SCALAR

DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 431
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000430     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 435
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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

                  * 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   HOUR   SCALAR
 -
- -
                                              DAY OF 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

                  * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 438
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 439
 *** MODELOPTs:    RegDFAULT  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
```

                    * 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

                    * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 442
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000441     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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

 *** 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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
🡅 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 446
 *** 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
```

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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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 447
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF 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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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	HOUR	SCALAR
DAY OF 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

* 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	HOUR	SCALAR

```
                                              DAY OF 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
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***       17:19:20

                                    PAGE 450
 *** 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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

* 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

*** 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
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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000452 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 455
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 456
 *** MODELOPTs:    RegDFAULT  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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

 *** 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

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    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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 459
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 460
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000459     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 461
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 462
 *** 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
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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
```

```
                   * 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
```

```
                   * 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
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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 465
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000464     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 466
 *** 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
```

                  * 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
 -

                                                  DAY OF 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

                  * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 469
 *** 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
```

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    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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 470
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                       ***        02/24/20
```

                  * 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   HOUR   SCALAR
 -
                                                    DAY OF 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

                  * 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   HOUR   SCALAR
 -

- -
DAY OF 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

*** 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

                    * 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

* 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
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				

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

SOURCE ID = L0000475 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

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

SOURCE ID = 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

* 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

* 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	HOUR	SCALAR

DAY OF 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 481
 *** 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 485
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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

                  * 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

                  * 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 488
 *** MODELOPTs:    RegDFAULT  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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 489
 *** 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
```

                    * 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

                    * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 492
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000491     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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

 *** 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

                    * 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
                                                DAY OF 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

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

 SOURCE ID = L0000494   ; 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  .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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                    PAGE 496
 *** 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
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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 497
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	HOUR	SCALAR

* 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF 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

*** 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

*** 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
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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000502 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF 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

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

 SOURCE ID = L0000503   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 505
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                   * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 506
 *** 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	HOUR	SCALAR

DAY OF 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

*** 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

 *** 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
 -

DAY OF 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 509
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 510
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 511
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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

* 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

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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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 513
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 514
 *** 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
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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 515
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000514     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 516
 *** 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
```

                  * 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
 -

                                                  DAY OF 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

                  * 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

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HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                   PAGE 519
 *** 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
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    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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 520
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
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                  * 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   HOUR   SCALAR
 -
                                                    DAY OF 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

                  * 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   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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 523
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 524
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20
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* 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
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				

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

SOURCE ID = L0000525 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

                   * 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

*** 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

*** 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	HOUR	SCALAR
DAY OF 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 531
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

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

                   * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -

                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -

                                                DAY OF 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

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                   PAGE 535
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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

                  * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                  * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 538
 *** MODELOPTs:    RegDFAULT  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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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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                  * 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   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF 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

                    * 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

                    * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 542
 *** 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
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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

 *** 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

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

 SOURCE ID = L0000544   ; 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  .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
↑ *** AERMOD - VERSION  19191 ***    *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***    ***
                       ***        17:19:20

                                    PAGE 546
 *** 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
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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 547
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	HOUR	SCALAR

* 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF 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

*** 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

* 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
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

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

SOURCE ID = L0000552 ; SOURCE TYPE = VOLUME :

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

DAY OF 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

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

 SOURCE ID = L0000553   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 555
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 556
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	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

* 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	HOUR	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						

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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
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 558
 *** 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
```

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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    PAGE 559
 *** 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   HOUR   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    PAGE 560
 *** 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   HOUR   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
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***       17:19:20

                                  PAGE 561
 *** MODELOPTs:    RegDFAULT  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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

* 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

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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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 563
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000681     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 564
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0000682     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                PAGE 565
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000683     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 566
 *** 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
```

                  * 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
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01   14 .1500E+01   15 .1500E+01   16 .1500E+01
   17 .1500E+01   18 .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

                  * 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

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HOUR    SCALAR    HOUR    SCALAR    HOUR    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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 569
 *** 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
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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 570
 *** 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   HOUR   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
                       ***        02/24/20
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* 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   HOUR   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

* 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   HOUR   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

*** 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

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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
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 574
 *** 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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* 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
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.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				

* 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 = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 577
 *** 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
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

* 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

*** 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

*** 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 HOUR 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 581
 *** 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
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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

                    * 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   HOUR   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

* 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	HOUR	SCALAR

DAY OF 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

* 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	HOUR	SCALAR

DAY OF 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

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   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 585
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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

                   * 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

                   * 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
    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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 588
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0001025     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
```

                   * 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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

                    * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 592
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0001029     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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

 *** 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

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

 SOURCE ID = L0001032   ; 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  .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
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***       17:19:20

                                  PAGE 596
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 597
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	HOUR	SCALAR

* 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF 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

*** 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

*** 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
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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0001040 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF 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

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

 SOURCE ID = L0001041   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 605
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 606
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	SCALAR

DAY OF 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

*** 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	HOUR	SCALAR

DAY OF 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

 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 609
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 610
 *** 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    HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 611
 *** 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    HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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

* 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

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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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                           PAGE 613
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                           PAGE 614
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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```
 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
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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                PAGE 615
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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 = 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 616
 *** 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
```

                  * 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
 -

                                                  DAY OF 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

                  * 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

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                    PAGE 619
 *** 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
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```
    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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 620
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                          ***        02/24/20
```

                  * 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   HOUR   SCALAR
 -
                                                    DAY OF 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

                  * 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   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  .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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                PAGE 623
 *** 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
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   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 624
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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* 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
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				

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

SOURCE ID = L0001063 ; SOURCE TYPE = VOLUME :

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

DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 627
 *** 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
```

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

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

SOURCE ID = L0001065 ; SOURCE TYPE = VOLUME :

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

DAY OF 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

```
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 630
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
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```
    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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 631
 *** 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

                    * 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   HOUR   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

* 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	HOUR	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

* 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	HOUR	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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                    PAGE 635
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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

                    * 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   HOUR   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

                    * 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 638
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000858     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

                   * 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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

                    * 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   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 642
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000862     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** 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   HOUR   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

                    * 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

                    * 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

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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  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***       17:19:20

                                  PAGE 646
 *** 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
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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
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 647
 *** 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	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  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 650
 *** 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
HOUR    SCALAR    HOUR    SCALAR    HOUR    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

* 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

*** 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
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01 14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000873 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR 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

 *** 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 655
 *** 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 656
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	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

*** 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	HOUR	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

 *** 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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                 PAGE 659
 *** 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   HOUR   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                 PAGE 660
 *** 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   HOUR   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

 *** 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 662
 *** 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
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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
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                  PAGE 663
 *** 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
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                  PAGE 664
 *** 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
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                PAGE 665
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000885     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 666
 *** 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
```

                  * 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
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01   14 .1500E+01   15 .1500E+01   16 .1500E+01
   17 .1500E+01   18 .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

                  * 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

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HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                   PAGE 669
 *** 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
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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 670
 *** 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   HOUR   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
                        ***        02/24/20
```

* 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   HOUR   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

* 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 673
 *** 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
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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
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 674
 *** 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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* 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
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.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				

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

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 = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 677
 *** 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
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

* 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

* 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

* 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	HOUR	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
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 681
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000901     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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   HOUR   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

* 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	HOUR	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

* 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	HOUR	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

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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
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 685
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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

                    * 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

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

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 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
↟ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 688
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                   * 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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

 *** 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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

                    * 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   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 692
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000912     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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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
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14 .1500E+01   15 .1500E+01   16 .1500E+01
   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 = L0000913   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

* 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	HOUR	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

* 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	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  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                    PAGE 696
 *** 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
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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
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 697
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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	HOUR	SCALAR

                  * 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   HOUR   SCALAR   HOUR   SCALAR   HOUR   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

*** 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

*** 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
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01	14	.1500E+01	15	.1500E+01	16	.1500E+01
17	.1500E+01	18	.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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

SOURCE ID = L0000923 ; SOURCE TYPE = VOLUME :

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

 *** 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 705
 *** 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   HOUR   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 706
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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                   * 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   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                    PAGE 707
 *** 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   HOUR   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

 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

 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

                   * 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   HOUR   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

                   * 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   HOUR   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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 711
 *** 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   HOUR   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

* 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

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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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 713
 *** 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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 714
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 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
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                PAGE 715
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000935     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 716
 *** 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
```

                  * 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
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01   14 .1500E+01   15 .1500E+01   16 .1500E+01
   17 .1500E+01   18 .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

                  * 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   HOUR   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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 719
 *** 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
```

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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 720
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
```

* 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

* 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   HOUR   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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

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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
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                   PAGE 724
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20
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* 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
6	.0000E+00	7	.1500E+01	8	.1500E+01				
9	.1500E+01	10	.1500E+01	11	.1500E+01	12	.1500E+01	13	.1500E+01
14	.1500E+01	15	.1500E+01	16	.1500E+01				
17	.1500E+01	18	.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				

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

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 = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 727
 *** 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   HOUR   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
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1500E+01 8 .1500E+01
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01
14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .1500E+01 19 .1500E+01 20 .1500E+01 21 .1500E+01
22 .1500E+01 23 .0000E+00 24 .0000E+00

* 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

* 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

* 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	HOUR	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

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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 731
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000951     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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   HOUR   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

* 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	HOUR	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

* 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	HOUR	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

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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
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                    PAGE 735
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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

                    * 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   HOUR   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

                    * 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 738
 *** MODELOPTs:    RegDFAULT  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   HOUR   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
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                   * 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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

                    * 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   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 742
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000962     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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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
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14 .1500E+01   15 .1500E+01   16 .1500E+01
   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 = L0000963   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

* 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	HOUR	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

* 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	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  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                    PAGE 746
 *** 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
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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
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 747
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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

* 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

                   * 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

* 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

*** 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
9 .1500E+01 10 .1500E+01 11 .1500E+01 12 .1500E+01 13 .1500E+01 14 .1500E+01 15 .1500E+01 16 .1500E+01
17 .1500E+01 18 .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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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 = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .1500E+01   8 .1500E+01
    9 .1500E+01   10 .1500E+01   11 .1500E+01   12 .1500E+01   13 .1500E+01
14 .1500E+01   15 .1500E+01   16 .1500E+01
   17 .1500E+01   18 .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

 *** 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

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 755
 *** 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 756
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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* 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	HOUR	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

*** 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	HOUR	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

 *** 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

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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    PAGE 759
 *** 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   HOUR   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    PAGE 760
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000980     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 761
 *** 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   
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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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

* 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

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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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 *** 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
```

```
 *** 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
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                 PAGE 765
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0000985     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 766
 *** 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   HOUR   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
```

                  * 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

                  * 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

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HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 769
 *** 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
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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 770
 *** 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   HOUR   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
                        ***        02/24/20
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                  * 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   HOUR   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

                  * 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   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  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 773
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                   PAGE 774
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20
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 *** 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
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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 = L0000996     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 777
 *** 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

*** 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

*** 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

*** 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 HOUR 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

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    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   18  .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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 781
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0001001     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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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

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

 SOURCE ID = L0001002   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                    * 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   HOUR   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

                    * 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   HOUR   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

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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
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1500E+01    8  .1500E+01
    9  .1500E+01   10  .1500E+01   11  .1500E+01   12  .1500E+01   13  .1500E+01
14  .1500E+01   15  .1500E+01   16  .1500E+01
   17  .1500E+01   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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 785
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 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
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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

                    * 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   HOUR   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

                    * 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   HOUR   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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 788
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0001008     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

                   * 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
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF 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

                    * 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

                    * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                  PAGE 792
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

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

 SOURCE ID = L0001069     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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

 *** 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   HOUR   SCALAR
 -
- -
                                                DAY OF 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

* 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	HOUR	SCALAR
DAY OF 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

* 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

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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  .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
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                    PAGE 796
 *** 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
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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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***        17:19:20

                                  PAGE 797
 *** 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF 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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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* 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	HOUR	SCALAR
DAY OF 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

* 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	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

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

*** 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	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF 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

*** 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

*** 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,

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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,
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);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(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, 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);
(669034.0, 4341770.8, 822.5, 822.5, 0.0); (669255.3, 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,

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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);
     ( 668370.1, 4341935.8,     782.7,     825.2,       0.0);         ( 668591.4,
4341935.8,     801.9,     819.0,       0.0);
     ( 668812.7, 4341935.8,     816.8,     824.6,       0.0);         ( 669034.0,
4341935.8,     830.3,     830.3,       0.0);
     ( 669255.3, 4341935.8,     845.1,     848.7,       0.0);         ( 669476.7,
4341935.8,     857.8,     857.8,       0.0);
     ( 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);
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(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, 4342265.7, 815.5, 880.4, 0.0);
(669476.7, 4342265.7, 823.7, 885.2, 0.0); (669698.0, 4342265.7, 842.2, 884.4, 0.0);
(669919.3, 4342265.7, 841.1, 886.5, 0.0); (670140.6, 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, 4342430.6, 755.8, 873.9, 0.0);
(668812.7, 4342430.6, 756.1, 885.5, 0.0); (669034.0, 4342430.6, 760.0, 886.5, 0.0);
(669255.3, 4342430.6, 770.3, 886.5, 0.0); (669476.7, 4342430.6, 796.7, 886.5, 0.0);
(669698.0, 4342430.6, 800.1, 886.5, 0.0); (669919.3, 4342430.6, 810.5, 886.5, 0.0);
(670140.6, 4342430.6, 808.1, 889.2, 0.0); (670361.9, 4342430.6, 813.6, 900.1, 0.0);
(670583.2, 4342430.6, 847.6, 889.2, 0.0); (670804.5, 4342430.6, 847.7, 889.2, 0.0);
(671025.8, 4342430.6, 851.4, 896.7, 0.0); (671247.1, 4342430.6, 881.8, 890.8, 0.0);
(671468.4, 4342430.6, 884.8, 884.8, 0.0); (671689.8, 4342430.6, 884.1, 911.2, 0.0);
(671911.1, 4342430.6, 880.0, 919.3, 0.0); (672132.4, 4342430.6, 869.4, 936.9, 0.0);
(672353.7, 4342430.6, 847.3, 965.4, 0.0); (672575.0,

4342430.6,   829.4,   967.2,   0.0);
     (668148.8, 4342595.6,   750.5,   818.4,   0.0);   (668370.1,
4342595.6,   747.9,   833.3,   0.0);
     (668591.4, 4342595.6,   750.9,   868.6,   0.0);   (668812.7,
4342595.6,   756.2,   882.1,   0.0);
     (669034.0, 4342595.6,   761.8,   886.5,   0.0);   (669255.3,
4342595.6,   772.5,   886.5,   0.0);
     (669476.7, 4342595.6,   771.4,   886.5,   0.0);   (669698.0,
4342595.6,   799.1,   886.5,   0.0);
     (669919.3, 4342595.6,   793.6,   889.2,   0.0);   (670140.6,
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,
4342595.6,   854.5,   913.4,   0.0);
     (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,
4342595.6,   900.5,   916.5,   0.0);
     (672132.4, 4342595.6,   880.5,   940.6,   0.0);   (672353.7,
4342595.6,   852.6,   965.4,   0.0);
     (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,
4342760.6,   784.1,   797.1,   0.0);
     (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,
4342925.5,   769.6,   784.2,   0.0);
     (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,

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

(670140.6, 4342925.5, 861.5, 861.5, 0.0); (670361.9, 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, 4343090.5, 784.7, 866.9, 0.0);
(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);
(668148.8, 4343255.4, 743.4, 803.5, 0.0); (668370.1, 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,

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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,
4343255.4,     933.5,     933.5,       0.0);
     ( 672353.7, 4343255.4,     933.5,     933.5,       0.0);         ( 672575.0,
4343255.4,     944.9,     944.9,       0.0);
     ( 668148.8, 4343420.4,     764.0,     803.5,       0.0);         ( 668370.1,
4343420.4,     760.2,     812.8,       0.0);
     ( 668591.4, 4343420.4,     752.9,     819.8,       0.0);         ( 668812.7,
4343420.4,     762.2,     819.8,       0.0);
     ( 669034.0, 4343420.4,     762.3,     825.5,       0.0);         ( 669255.3,
4343420.4,     764.7,     853.5,       0.0);
     ( 669476.7, 4343420.4,     769.9,     867.0,       0.0);         ( 669698.0,
4343420.4,     810.1,     830.6,       0.0);
     ( 669919.3, 4343420.4,     810.2,     830.6,       0.0);         ( 670140.6,
4343420.4,     794.9,     910.0,       0.0);
     ( 670361.9, 4343420.4,     798.5,     929.0,       0.0);         ( 670583.2,
4343420.4,     800.1,     942.5,       0.0);
     ( 670804.5, 4343420.4,     833.8,     936.0,       0.0);         ( 671025.8,
4343420.4,     872.4,     922.6,       0.0);
     ( 671247.1, 4343420.4,     889.5,     926.7,       0.0);         ( 671468.4,
4343420.4,     919.4,     919.4,       0.0);
     ( 671689.8, 4343420.4,     929.5,     929.5,       0.0);         ( 671911.1,
4343420.4,     940.1,     940.1,       0.0);
     ( 672132.4, 4343420.4,     944.7,     944.7,       0.0);         ( 672353.7,
4343420.4,     946.6,     946.6,       0.0);
     ( 672575.0, 4343420.4,     950.6,     950.6,       0.0);         ( 668148.8,
4343585.4,     789.7,     803.5,       0.0);
     ( 668370.1, 4343585.4,     786.1,     803.5,       0.0);         ( 668591.4,
4343585.4,     763.3,     819.8,       0.0);
     ( 668812.7, 4343585.4,     776.6,     819.8,       0.0);         ( 669034.0,
4343585.4,     785.5,     819.8,       0.0);
     ( 669255.3, 4343585.4,     785.4,     825.5,       0.0);         ( 669476.7,
4343585.4,     785.1,     830.5,       0.0);
     ( 669698.0, 4343585.4,     774.8,     867.2,       0.0);         ( 669919.3,
4343585.4,     780.7,     908.1,       0.0);
     ( 670140.6, 4343585.4,     786.2,     921.5,       0.0);         ( 670361.9,
4343585.4,     791.7,     934.6,       0.0);
     ( 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);

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

     (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,
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);

 *** 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,
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);

                                          *** 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);

                       * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT

BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000568	671068.4	4342169.9	-19.45
L0000569	671068.4	4342169.9	-8.27
L0000574	671174.9	4342280.2	-7.70
L0000575	671174.9	4342280.2	-15.46
L0000634	670140.6	4343255.4	-0.63
L0000635	670140.6	4343255.4	-14.34
L0000670	669303.4	4343304.1	-13.62
L0000671	669303.4	4343304.1	-3.56
L0000163	668733.9	4343302.4	-1.84
L0000167	668686.9	4343200.0	0.92
L0000198	669288.2	4342916.1	-5.20
L0000199	669333.6	4342922.8	-4.86
L0000200	669333.6	4342922.8	-0.62
L0000208	669337.0	4343151.2	0.76
L0000216	669222.7	4343235.2	-13.95
L0000217	669222.7	4343235.2	-3.01
L0000222	669135.4	4343305.8	-0.25
L0000475	670965.7	4342179.4	-18.30
L0000476	670965.7	4342179.4	0.06

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                          L0000481           670815.5     4342198.5
-4.50
                          L0000482           670815.5     4342198.5
-1.27
                          L0000492           670583.2     4342265.7
-3.56
                          L0000504           670361.9     4342430.6
-7.42
                          L0000523           669919.3     4342595.6
-4.51
                          L0000524           669919.3     4342595.6
-12.59
                          L0000533           669698.0     4342595.6
0.03
                          L0000545           669476.7     4342760.6
-12.44
                          L0000546           669476.7     4342760.6
-0.88
                          L0000857           671068.4     4342169.9
-12.65
                          L0000858           671068.4     4342169.9
-13.96
                          L0000859           671068.4     4342169.9
-4.55
                          L0000864           671174.9     4342280.2
-12.61
                          L0000865           671174.9     4342280.2
-8.10
                          L0000924           670140.6     4343255.4
-11.14
                          L0000925           670140.6     4343255.4
-5.55
                          L0000942           669698.0     4343255.4
0.24
                          L0000959           669303.4     4343304.1
-8.09
                          L0000960           669303.4     4343304.1
-13.67
                          L0000963           669222.7     4343235.2
-3.20
                          L0000964           669222.7     4343235.2
-15.50
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***         02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 810
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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                      * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
                        LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

                              SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                                ID           XR (METERS)   YR (METERS)
(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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 811
 *** 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 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV 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 Upper air station no.: 3198
Name: UNKNOWN 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)
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 813
 *** 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
⬆ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 814
 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 815
 *** 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

*** 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

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         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
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         669697.96    4343255.44        0.41954                      669919.27
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         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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 817
 *** 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
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671247.13 4343420.40 0.25308 671468.44
4343420.40 0.17327
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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

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         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
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 818
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
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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
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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
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         671853.29    4341730.80        0.24338                    671783.81
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4341461.38        0.20437
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         672012.39    4341504.66        0.07999                      672084.31
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         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
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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 819
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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         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
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4341397.38 0.21183
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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
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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
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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
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4342742.15 0.75467
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4342655.60 0.62788
669791.04 4342744.90 0.65518 669696.25
4342731.16 0.59662
669536.88 4342552.57 0.43805 671174.86
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671068.38 4342169.93 65.24062 670965.71
4342179.44 25.90810
670815.50 4342198.45 8.19121 670737.55
4342097.68 5.01900
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670895.36 4342025.43 12.88981 670979.02
4341915.15 12.45630

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         671115.92    4341863.81        5.65777                      671199.58
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4341392.28        0.21544
         671366.89    4341998.81        2.11266                      671226.19
4342236.48        7.15391
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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
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4343001.74        0.24648
         668918.71    4343025.26        0.26876                      669024.53
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         669288.24    4342916.08        0.36583                      669333.59
4342922.80        0.37865
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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*** 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
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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

*** 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
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

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         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
```

*** 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

 *** 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

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         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
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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 825
 *** 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    ,
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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	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

 *** 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

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↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 827
 *** 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
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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

 *** 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

 *** 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	4340781.04	0.07330	668370.10	4340781.04	0.07717
668591.41	4340781.04	0.08115	668812.72	4340781.04	0.08582
669034.03	4340781.04	0.09028	669255.34	4340781.04	0.09421
669476.65	4340781.04	0.09979	669697.96	4340781.04	0.10242
669919.27	4340781.04	0.11390	670140.58	4340781.04	0.11049
670361.89	4340781.04	0.09537	670583.20	4340781.04	0.07373
670804.51	4340781.04	0.06819	671025.82	4340781.04	0.05635
671247.13	4340781.04	0.04213	671468.44	4340781.04	0.04313
671689.75	4340781.04	0.04042	671911.06	4340781.04	0.03611
672132.37	4340781.04	0.02661	672353.68	4340781.04	0.03458
672574.99	4340781.04	0.04312	668148.79	4340946.00	0.07613
668370.10	4340946.00	0.08323	668591.41	4340946.00	0.08839
668812.72	4340946.00	0.09382	669034.03	4340946.00	0.09857
669255.34	4340946.00	0.10480	669476.65	4340946.00	0.11159
669697.96	4340946.00	0.11510	669919.27	4340946.00	0.14135
670140.58	4340946.00	0.13504	670361.89		

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4340946.00        0.12182
         670583.20    4340946.00        0.10416                    670804.51
4340946.00        0.07959
         671025.82    4340946.00        0.06279                    671247.13
4340946.00        0.04483
         671468.44    4340946.00        0.04136                    671689.75
4340946.00        0.04868
         671911.06    4340946.00        0.04842                    672132.37
4340946.00        0.02673
         672353.68    4340946.00        0.03342                    672574.99
4340946.00        0.04634
         668148.79    4341110.96        0.08134                    668370.10
4341110.96        0.08759
         668591.41    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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*** 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

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         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
```

 *** 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

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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
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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 832
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         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

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         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
         670583.20    4343255.44        1.67292                      670804.51
4343255.44        1.00100
         671025.82    4343255.44        0.41807                      671247.13
4343255.44        0.26795
         671468.44    4343255.44        0.17203                      671689.75
4343255.44        0.10779
         671911.06    4343255.44        0.07457                      672132.37
4343255.44        0.05745
         672353.68    4343255.44        0.04563                      672574.99
4343255.44        0.03563
         668148.79    4343420.40        0.13648                      668370.10
4343420.40        0.17011
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 833
 *** 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
                    **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
668591.41	4343420.40	0.22195	668812.72	4343420.40	0.33501
669034.03	4343420.40	0.62339	669255.34	4343420.40	1.89673
669476.65	4343420.40	4.22214	669697.96	4343420.40	2.38959
669919.27	4343420.40	2.48370	670140.58	4343420.40	1.90603
670361.89	4343420.40	1.44355	670583.20	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		

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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   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
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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                       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
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         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
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                PAGE 835
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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
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

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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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 836
 *** 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
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 837
 *** 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    ,
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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
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		

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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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 838
 *** 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
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

*** 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
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

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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 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 840
 *** 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
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         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
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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 841
 *** 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
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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

*** 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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   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    ,
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                 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
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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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                            *** 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

                            *** 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		

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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    PAGE 846
 *** 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
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, 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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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*** 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		

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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
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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

*** 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
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

 *** 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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    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
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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         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
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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    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
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

 *** 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			

*** 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			

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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 854
 *** 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    ,  . . .      ,
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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	0.02058	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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                  PAGE 855
 *** 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	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		

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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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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
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

*** 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

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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
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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         672353.68    4343915.28        0.02375                       672574.99
4343915.28        0.01997
         668148.79    4344080.24        0.03104                       668370.10
4344080.24        0.04530
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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

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         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
         671835.62    4341287.66        0.02247                      671825.87
4341275.47        0.02214
         672136.73    4341370.56        0.02085                      671920.34
4341307.17        0.02134
         671695.42    4341257.19        0.02189                      671682.01
4341176.12        0.01922
         671991.66    4341196.23        0.01765                      672022.14
4341231.59        0.01825
         671992.27    4341177.95        0.01695                      671540.60
4341238.29        0.02177
         671575.34    4341177.95        0.01938                      671454.65
4341196.23        0.02174
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   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
                    **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
671523.53	4341116.38	0.01848	671413.20	4341126.74	0.02049
671471.11	4341064.57	0.01804	671601.55	4341050.55	0.01689
671198.64	4341253.53	0.02823	671278.49	4341212.08	0.02539
671230.34	4341132.84	0.02333	671073.08	4341271.82	0.03125
671122.45	4341373.61	0.03651	671118.79	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		

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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  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
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, 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

 *** 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

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         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
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         671689.75    4341110.96        0.14085                    671911.06
4341110.96        0.11386
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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
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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 862
 *** 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
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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
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4341770.80 0.84666
670804.51 4341770.80 3.14856 671025.82
4341770.80 5.30984

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         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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 863
 *** 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
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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

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         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
         669476.65    4342595.60        0.38922                      669697.96
4342595.60        0.49528
         669919.27    4342595.60        0.61361                      670140.58
4342595.60        0.81625
         670361.89    4342595.60        1.18694                      670583.20
4342595.60        0.87614
         670804.51    4342595.60        1.43162                      671025.82
4342595.60        1.62357
         671247.13    4342595.60        1.23243                      671468.44
4342595.60        0.59884
         671689.75    4342595.60        0.27824                      671911.06
4342595.60        0.16422
         672132.37    4342595.60        0.13065                      672353.68
4342595.60        0.13643
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 864
 *** 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
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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         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
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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 865
 *** 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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  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       ,
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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	0.04663	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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 867
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                                *** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP7   ***
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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

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         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
         671068.38    4342169.93        7.15154                    670965.71
4342179.44        5.66116
         670815.50    4342198.45        3.13436                    670737.55
4342097.68        2.21474
         670762.27    4342069.16        2.29222                    670817.40
4342040.64        2.63054
         670895.36    4342025.43        3.37977                    670979.02
4341915.15        5.40541
         671115.92    4341863.81        7.68476                    671199.58
4341770.65        3.93192
         671222.39    4341377.07        0.28504                    671714.84
4341392.28        0.31955
         671366.89    4341998.81        8.27430                    671226.19
4342236.48        7.92852
         669098.44    4343411.59        0.23606                    668908.63
4343364.56        0.22109
         668851.52    4343359.52        0.21590                    668831.37
4343371.27        0.21290
         668733.94    4343302.41        0.20979                    668686.91
4343199.95        0.21296
         668671.79    4343089.09        0.21714                    668806.17
4343001.74        0.23682
         668918.71    4343025.26        0.25334                    669024.53
4342942.95        0.27477
         669288.24    4342916.08        0.33097                    669333.59
4342922.80        0.34019
         669365.51    4342978.23        0.33882                    669336.95
4343151.23        0.30480
         669303.36    4343304.09        0.27772                    669222.73
4343235.22        0.27462
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20
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*** 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
669135.39	4343305.77	0.25275			

*** 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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 870
 *** 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
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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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   PAGE 871
 *** 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
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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
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         671468.44    4342430.64        0.01259                      671689.75
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         672353.68    4342430.64        0.01046                      672574.99
4342430.64        0.01101
         668148.79    4342595.60        0.61908                      668370.10
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         668591.41    4342595.60        0.85037                      668812.72
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         669034.03    4342595.60        0.97878                      669255.34
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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 872
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         672574.99    4342595.60        0.01097                      668148.79
4342760.56        1.20899
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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

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         671025.82    4343090.48        0.02479                      671247.13
4343090.48        0.02112
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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
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         669697.96    4343255.44        0.29126                      669919.27
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         670140.58    4343255.44        0.10470                      670361.89
4343255.44        0.08355
         670583.20    4343255.44        0.07088                      670804.51
4343255.44        0.04475
         671025.82    4343255.44        0.02625                      671247.13
4343255.44        0.02161
         671468.44    4343255.44        0.01809                      671689.75
4343255.44        0.01505
         671911.06    4343255.44        0.01294                      672132.37
4343255.44        0.01147
         672353.68    4343255.44        0.01023                      672574.99
4343255.44        0.00901
         668148.79    4343420.40        1.01925                      668370.10
4343420.40        1.65876
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 873
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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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
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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
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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
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         672574.99    4343750.32        0.00900                      668148.79
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         668370.10    4343915.28        0.80994                      668591.41
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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
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4343915.28        0.01166
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  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
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4343915.28        0.00896
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         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
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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
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         671635.08    4341706.42        0.00944                      671693.59
4341710.08        0.00941
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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    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
                    **
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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

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         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
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4343235.22        3.55646
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  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
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                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         669135.39    4343305.77       46.32002

↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 877
 *** 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
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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
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672353.68 4340946.00 0.02458 672574.99
4340946.00 0.02130
668148.79 4341110.96 0.05981 668370.10
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669034.03 4341110.96 0.12271 669255.34
4341110.96 0.14244
669476.65 4341110.96 0.17444 669697.96
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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

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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
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 878
 *** 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
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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

*** 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

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         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
🡅 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 880
 *** 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
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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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 881
 *** 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
♠ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         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
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         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
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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 883
 *** 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
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        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
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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20

                                    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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         669135.39    4343305.77        0.05830

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                          ***       17:19:20
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*** 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

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         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
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 *** 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
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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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↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***       17:19:20

                                  PAGE 887
 *** 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    4342100.72        0.04898                         668370.10
4342100.72        0.05136
         668591.41    4342100.72        0.05406                         668812.72
4342100.72        0.05595
         669034.03    4342100.72        0.06197                         669255.34
4342100.72        0.06840
         669476.65    4342100.72        0.07265                         669697.96
4342100.72        0.09823
         669919.27    4342100.72        0.12826                         670140.58
4342100.72        0.19066
         670361.89    4342100.72        0.11699                         670583.20
4342100.72        0.14904
         671468.44    4342100.72        0.81659                         671689.75
4342100.72        0.31438
         671911.06    4342100.72        0.18250                         672132.37
4342100.72        0.11809
         672353.68    4342100.72        0.07335                         672574.99
4342100.72        0.06163
         668148.79    4342265.68        0.05270                         668370.10
4342265.68        0.05545
         668591.41    4342265.68        0.05612                         668812.72
4342265.68        0.05783
         669034.03    4342265.68        0.05974                         669255.34
4342265.68        0.06361
         669476.65    4342265.68        0.06860                         669697.96
4342265.68        0.08035
         669919.27    4342265.68        0.08812                         670140.58
4342265.68        0.09716
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         670361.89    4342265.68        0.12167                    670583.20
4342265.68        0.17965
         670804.51    4342265.68        0.39570                    671025.82
4342265.68        1.16903
         671247.13    4342265.68        2.00289                    671468.44
4342265.68        0.73601
         671689.75    4342265.68        0.27735                    671911.06
4342265.68        0.15643
         672132.37    4342265.68        0.10491                    672353.68
4342265.68        0.07862
         672574.99    4342265.68        0.06661                    668148.79
4342430.64        0.05567
         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
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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
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

*** 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

*** 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

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         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 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         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
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         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
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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    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
                  **

       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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 893
 *** 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
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**

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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 894
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                                *** THE PERIOD ( 43872 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP11  ***
                                  INCLUDING SOURCE(S):     STCK9       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** 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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 895
 *** 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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 896
 *** 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
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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 897
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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*** 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

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         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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                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE 898
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*** 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

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         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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                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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*** 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
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

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         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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                              *** 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

                              *** 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
 -

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- - - - - - - - - - - - - - - - - - - - - - -
         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
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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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                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 902
 *** 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    ,  . . .      ,
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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	0.28464	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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                  PAGE 903
 *** 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	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		

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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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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
 -
- -
         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

*** 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

 *** 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

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         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
         671835.62    4341287.66        0.39101                      671825.87
4341275.47        0.38827
         672136.73    4341370.56        0.16313                      671920.34
4341307.17        0.27234
         671695.42    4341257.19        0.35389                      671682.01
4341176.12        0.24907
         671991.66    4341196.23        0.20861                      672022.14
4341231.59        0.18663
         671992.27    4341177.95        0.18829                      671540.60
4341238.29        0.24345
         671575.34    4341177.95        0.19018                      671454.65
4341196.23        0.21464
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   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
671523.53	4341116.38	0.16026	671413.20	4341126.74	0.17212
671471.11	4341064.57	0.14183	671601.55	4341050.55	0.16439
671198.64	4341253.53	0.22867	671278.49	4341212.08	0.21499
671230.34	4341132.84	0.16153	671073.08	4341271.82	0.22818
671122.45	4341373.61	0.35096	671118.79	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		

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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   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
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, 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

 *** 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

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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
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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 910
 *** 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
                  **
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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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 911
 *** 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    ,
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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		

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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 912
 *** 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 , . . . ,

*** 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	0.08300	668148.79	4342760.56	0.31523
668370.10	4342760.56	0.35660	668591.41	4342760.56	0.36071
668812.72	4342760.56	0.38755	669034.03	4342760.56	0.37717
669255.34	4342760.56	0.38572	669476.65	4342760.56	0.44095
669697.96	4342760.56	0.40759	669919.27	4342760.56	0.49272
670140.58	4342760.56	0.56122	670361.89	4342760.56	0.75524
670583.20	4342760.56	0.92114	670804.51	4342760.56	3.58902
671025.82	4342760.56	1.44238	671247.13	4342760.56	0.43189
671468.44	4342760.56	0.19543	671689.75	4342760.56	0.11381
671911.06	4342760.56	0.07316	672132.37	4342760.56	0.06225
672353.68	4342760.56	0.08073	672574.99	4342760.56	0.07488
668148.79	4342925.52	0.43516	668370.10	4342925.52	0.47736
668591.41	4342925.52	0.47341	668812.72	4342925.52	0.51995
669034.03	4342925.52	0.54274	669476.65	4342925.52	0.57178

669697.96 4342925.52 0.61065 669919.27
4342925.52 0.56850
670140.58 4342925.52 0.58100 670361.89
4342925.52 0.81101
670583.20 4342925.52 3.47054 670804.51
4342925.52 2.45050
671025.82 4342925.52 0.62347 671247.13
4342925.52 0.33120
671468.44 4342925.52 0.16348 671689.75
4342925.52 0.10207
671911.06 4342925.52 0.06925 672132.37
4342925.52 0.05105
672353.68 4342925.52 0.05258 672574.99
4342925.52 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

*** 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
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
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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
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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
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669919.27 4343750.32 0.61362 670140.58
4343750.32 0.55115
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4343750.32 0.41077
670804.51 4343750.32 0.33995 671025.82
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668370.10 4343915.28 0.35672 668591.41
4343915.28 0.39061
668812.72 4343915.28 0.45052 669034.03
4343915.28 0.44924
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4343915.28 0.44862
669697.96 4343915.28 0.44690 669919.27

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4343915.28   0.07704
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4343915.28   0.04258

 *** 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
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- -
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4344080.24   0.33755

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4344080.24 0.25428
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4344080.24 0.04211
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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
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671719.80 4341736.29 0.13123 671673.48
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671888.04 4341936.22 0.10042 671977.64
4341952.07 0.07111
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4341275.47        0.07478
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4341307.17        0.05176
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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
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                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 915
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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4341212.08 0.04653
671230.34 4341132.84 0.03923 671073.08
4341271.82 0.04783
671122.45 4341373.61 0.06068 671118.79
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670978.40 4341324.15 0.05606 670932.85
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670935.19 4341367.36 0.06466 671108.01
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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
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4342501.73 0.78343
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670688.15 4342739.41 0.80953 670804.92
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670517.79 4342868.54 1.15060 670545.27
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670582.36 4342878.16 1.47019 670304.85
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                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  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
***
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4340946.00 0.03938
668812.72 4340946.00 0.04710 669034.03
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669697.96 4340946.00 0.11281 669919.27
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4340946.00 0.21476
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671025.82 4340946.00 0.10607 671247.13
4340946.00 0.08012
671468.44 4340946.00 0.09477 671689.75
4340946.00 0.13316
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4340946.00 0.06723
672353.68 4340946.00 0.06613 672574.99
4340946.00 0.07737
668148.79 4341110.96 0.02430 668370.10
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668591.41 4341110.96 0.03453 668812.72
4341110.96 0.04167
669034.03 4341110.96 0.05127 669255.34
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↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE 918
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
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         668591.41   4341440.88        0.02763                          668812.72
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         669034.03   4341440.88        0.03914                          669255.34
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669697.96 4341605.84 0.06067 669919.27
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4341605.84 0.23742
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                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 919
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
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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

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         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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 920
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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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
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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
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         668148.79    4343255.44        0.02141                    668370.10
4343255.44        0.02418
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         670140.58    4343255.44        0.10276                      670361.89
4343255.44        0.11950
         670583.20    4343255.44        0.14039                      670804.51
4343255.44        0.17376
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4343255.44        0.17205
         671911.06    4343255.44        0.12943                      672132.37
4343255.44        0.09359
         672353.68    4343255.44        0.06914                      672574.99
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4343420.40        0.02440
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 921
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
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         669476.65    4343420.40        0.05350                      669697.96
4343420.40        0.06722
         669919.27    4343420.40        0.08055                      670140.58
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4343420.40        0.12386
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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
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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
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         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
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         672132.37    4343750.32        0.07508                    672353.68
4343750.32        0.05533
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         668812.72    4343915.28        0.03359                      669034.03
4343915.28        0.03901
         669255.34    4343915.28        0.04536                      669476.65
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         669697.96    4343915.28        0.05767                      669919.27
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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
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4343915.28        0.07228
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 922
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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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
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671663.12 4342056.30 1.16973 671600.94
4342030.09 1.58625
671526.58 4342155.65 1.51554 671628.98
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671641.78 4341980.71 1.58449 671666.77
4342018.51 1.28079
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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
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4341753.96 1.30790
671922.78 4341634.49 0.96302 671613.74
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671853.29 4341730.80 1.36378 671783.81
4341585.73 1.73363

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         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
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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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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4341126.74        0.15783
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4341050.55        0.16642
         671198.64    4341253.53        0.22522                      671278.49
4341212.08        0.18584
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        670978.40    4341324.15        0.37883                    670932.85
4341394.21        0.41023
        670935.19    4341367.36        0.40192                    671108.01
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        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
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        670648.30    4342630.87        0.18556                    670806.29
4342728.41        0.24674
        670688.15    4342739.41        0.17600                    670804.92
4342427.55        0.41400
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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
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         670895.36    4342025.43        0.66245                       670979.02
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4341770.65        7.15367
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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
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4343371.27        0.03207
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4343199.95        0.02966
         668671.79    4343089.09        0.02968                       668806.17
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4343235.22        0.04349
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                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                   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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         669135.39    4343305.77        0.04021

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
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 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                  PAGE 925
 *** 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
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         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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↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                      ***       17:19:20

                                  PAGE 926
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         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

*** 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
```

 *** 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
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

*** 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

         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

*** 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

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         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
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         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
1*** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         669135.39    4343305.77       14.69041

1*** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                       ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 933
 *** 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
***
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** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 934
 *** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 935
 *** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 936
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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*** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE 937
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*** 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)

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        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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                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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*** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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 *** AERMET - VERSION  14134 ***   ***
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                                  PAGE 939
 *** 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)
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        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)
```

 *** 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)

 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        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
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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)

 *** 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)

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        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)
        670140.58   4341935.76       19.06167  (11123022)                670361.89
4341935.76       21.57996  (11123022)
        670583.20   4341935.76       46.17033  (13120722)                670804.51
4341935.76       34.43640  (13120722)
        671468.44   4341935.76       98.83115  (11112017)                671689.75
4341935.76       49.44753  (12081720)
        671911.06   4341935.76       49.91122  (13122317)                672132.37
4341935.76       15.39975  (10093018)
        672353.68   4341935.76       10.15026  (13012708)                672574.99
4341935.76       35.75678  (13122719)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 943
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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*** 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)
668148.79	4342100.72	4.19956	(12011408)	668370.10	4342100.72	4.85891	(12011408)
668591.41	4342100.72	5.58224	(12011408)	668812.72	4342100.72	6.28213	(10013107)
669034.03	4342100.72	7.26161	(10013107)	669255.34	4342100.72	8.37824	(10013107)
669476.65	4342100.72	29.12517	(12011408)	669697.96	4342100.72	33.60695	(10013107)
669919.27	4342100.72	34.29476	(10013107)	670140.58	4342100.72	28.45213	(13010822)
670361.89	4342100.72	45.03942	(13020522)	670583.20	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			

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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
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 *** 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
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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
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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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 945
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        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
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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
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670140.58 4343585.36 7.44872 (09122608) 670361.89
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670583.20 4343585.36 8.81165 (10021822) 670804.51
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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

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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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 946
 *** 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)
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        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)
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        672039.21   4341894.77       24.76478  (13122317)               671858.17
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        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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 947
 *** 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
***
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** 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			

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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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 948
 *** 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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, 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
                         ***   02/24/20
 *** AERMET - VERSION 14134 ***   ***
                       ***   17:19:20

                                   PAGE 949
 *** 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   ,
                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   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

 *** 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
, 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 951
 *** 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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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)
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			

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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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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*** 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 ,
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)

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        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)
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*** 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 ,
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)

 *** 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   ,
                  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)
 -
- -
        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)

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        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)
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 955
 *** 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    ,
                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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- -

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

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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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 956
 *** 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    ,
                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	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
669135.39	4343305.77	29.11247	(13020522)				

*** 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	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

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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)
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 958
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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        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)
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        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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 959
 *** 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
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** 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			

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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
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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 960
 *** 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    ,  . . .      ,

                                          *** 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)
```

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        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)
        669697.96   4343255.44       81.11879  (10112508)               669919.27
4343255.44       53.39783  (13012708)
        670140.58   4343255.44       44.56192  (13012708)               670361.89
4343255.44       45.01677  (13012708)
        670583.20   4343255.44       42.01919  (13012708)               670804.51
4343255.44       32.01820  (13012708)
        671025.82   4343255.44       17.11804  (13012708)               671247.13
4343255.44       15.77411  (13012708)
        671468.44   4343255.44       14.52813  (13012708)               671689.75
4343255.44       12.89922  (13012708)
        671911.06   4343255.44       11.74635  (13012708)               672132.37
4343255.44       11.32104  (13012708)
        672353.68   4343255.44       10.75536  (13012708)               672574.99
4343255.44        9.86342  (13012708)
        668148.79   4343420.40      114.74057  (11121308)               668370.10
4343420.40      146.28655  (14010208)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
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 *** AERMET - VERSION  14134 ***   ***
                      ***       17:19:20

                                PAGE 961
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        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
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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
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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)

 *** 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)
 -
- -
        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)

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        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)
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        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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 963
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        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
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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)

 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
        669135.39   4343305.77      368.08910  (11012908)

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 965
 *** 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)               668370.10
4340781.04        6.56571  (10021319)
        668591.41   4340781.04        7.28876  (13010219)               668812.72
4340781.04        7.98950  (11122718)
        669034.03   4340781.04        9.02253  (12010418)               669255.34
4340781.04       10.30970  (09122317)
        669476.65   4340781.04       11.52129  (11121118)               669697.96
4340781.04       13.08633  (10010719)
        669919.27   4340781.04       48.81315  (12011319)               670140.58
4340781.04       62.30195  (12122717)
        670361.89   4340781.04       63.08019  (09120217)               670583.20
4340781.04       46.71636  (11102819)
        670804.51   4340781.04       46.59698  (09111419)               671025.82
4340781.04       36.90652  (11012619)
        671247.13   4340781.04       32.79139  (10102519)               671468.44
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4340781.04       39.26740  (09102119)
        671689.75   4340781.04       52.13093  (11033119)                671911.06
4340781.04       49.27342  (11123117)
        672132.37   4340781.04       29.17081  (09033019)                672353.68
4340781.04       48.14450  (12091119)
        672574.99   4340781.04       55.53789  (11100718)                668148.79
4340946.00        5.65107  (09012008)
        668370.10   4340946.00        6.39629  (13020419)                668591.41
4340946.00        7.24330  (13020419)
        668812.72   4340946.00        8.03322  (10021319)                669034.03
4340946.00        9.32552  (13010219)
        669255.34   4340946.00       10.64075  (11122718)                669476.65
4340946.00       11.88098  (12010418)
        669697.96   4340946.00       16.54302  (11121118)                669919.27
4340946.00       64.10816  (11121118)
        670140.58   4340946.00       68.05898  (12011319)                670361.89
4340946.00       72.16313  (12122717)
        670583.20   4340946.00       70.72121  (09120217)                670804.51
4340946.00       48.46004  (13020408)
        671025.82   4340946.00       35.91991  (11120408)                671247.13
4340946.00       31.91129  (10082219)
        671468.44   4340946.00       35.41610  (09011917)                671689.75
4340946.00       66.26227  (10090519)
        671911.06   4340946.00       76.64067  (13011419)                672132.37
4340946.00       25.10904  (13100619)
        672353.68   4340946.00       36.30122  (11100718)                672574.99
4340946.00       65.04204  (10091119)
        668148.79   4341110.96        5.71426  (10010308)                668370.10
4341110.96        6.33064  (10010308)
        668591.41   4341110.96        7.34836  (10010308)                668812.72
4341110.96        8.24782  (09012008)
        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
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*** 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)

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        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)
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 967
 *** 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)
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Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        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
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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)

 *** 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)

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        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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 969
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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*** 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			

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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
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 *** 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)
 -
- -
        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)

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        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)
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 971
 *** 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
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4341394.21 37.33939 (10101719)
670935.19 4341367.36 35.75301 (10010618) 671108.01
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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
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4342578.67 18.64784 (11121108)
670546.64 4342662.47 76.35886 (09120808) 670537.03
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4342850.69 63.12124 (10110418)
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4342688.57 47.17543 (13121208)
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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
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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
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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)
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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)

 *** 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)
 -
- -
        669135.39   4343305.77   6.45257 (12010518)

 *** 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)
 -
- -
        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)

 *** 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)

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        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)
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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 , 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)
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

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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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 976
 *** 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
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**

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)

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        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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 977
 *** 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    ,
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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)
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			

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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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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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 , 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)
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)

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        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)
```

*** 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)

 *** 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)

*** 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)

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        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
                          ***        02/24/20
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 *** AERMET - VERSION  14134 ***   ***
                      ***       17:19:20

                                PAGE 982
 *** 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)
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        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)
```

*** 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)

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        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)
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*** 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)

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        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)
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 985
 *** 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)
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        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)
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                   PAGE 986
 *** 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)
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        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)
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        672012.39   4341504.66       17.02650  (12081519)                672084.31
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 987
 *** 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)
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        671122.45   4341373.61       19.22754  (12123006)                671118.79
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4341394.21       18.50935  (12012405)
        670935.19   4341367.36       17.37870  (12012405)                671108.01
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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
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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)
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4341392.28       66.22665  (13011419)
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4342236.48      215.52311  (12010922)
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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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 988
 *** 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)

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
```

 *** 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)

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        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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↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 990
 *** 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)
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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)

*** 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)

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        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)
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        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)
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 992
 *** 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)
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        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)
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        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)
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                 PAGE 993
 *** 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)
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        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)
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        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)
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 994
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        672353.68   4343915.28        2.48686  (13021919)                672574.99
4343915.28        2.40664  (13021919)
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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)
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        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)
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4341275.47        3.86278  (09061904)
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4341176.12        3.33157  (09061521)
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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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE 995
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        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
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4342332.07        5.37104  (10111117)
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        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)
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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)
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4342655.60       23.19988  (10082420)
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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)
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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)
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4342236.48        5.99147  (10111117)
        669098.44   4343411.59      861.55566  (09121907)              668908.63
4343364.56      255.94881  (13120722)
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4343371.27      142.19359  (13020522)
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        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
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        669303.36   4343304.09      242.75695  (12081720)                669222.73
4343235.22      407.32930  (11051920)
1 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 996
 *** 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)

1 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE 997
 *** 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
***
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** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 998
 *** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE 999
 *** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1000
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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*** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1001
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*** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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*** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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 *** AERMET - VERSION  14134 ***   ***
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                                  PAGE  1003
 *** 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)
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        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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*** 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)				

*** 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)

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        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
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        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)
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4340946.00        7.54659  (13022703)
        670583.20   4340946.00       10.93985  (12020121)              670804.51
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        671025.82   4340946.00       17.89427  (10021604)              671247.13
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        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
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4341110.96        6.23682  (09061904)
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                  PAGE  1006
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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4341275.92        8.27790  (09061904)
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        670361.89   4341440.88       20.78064  (13011407)              670583.20
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        670804.51   4341440.88       32.05273  (09120120)              671025.82
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        671689.75   4341440.88        8.97335  (13062120)              671911.06
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        672132.37   4341440.88       12.36898  (12101607)              672353.68
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        669255.34   4341605.84        3.46259  (10101307)              669476.65
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        670583.20   4341605.84       28.91991  (10021406)              670804.51
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        671025.82   4341605.84       53.09118  (10123023)              671689.75
4341605.84       11.47030  (13012901)
        671911.06   4341605.84        7.66469  (11091718)              672132.37
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        672353.68   4341605.84       16.87289  (10091419)              672574.99
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4341935.76       15.68489  (11010504)
        670140.58   4341935.76       18.97486  (11010504)               670361.89
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4341935.76       11.23378  (09092024)
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                PAGE  1007
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1008
 *** 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)
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        669697.96   4343255.44        3.05350  (13032507)               669919.27
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                PAGE  1009
 *** 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
                  **
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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)

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        669476.65   4343750.32        3.45336  (12052201)               669697.96
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4343750.32        3.25994  (12111517)
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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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                  PAGE  1010
 *** 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
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**

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)

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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)
        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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1011
 *** 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
***
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** 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)

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        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
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        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
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        671115.92   4341863.81       30.12815  (09011324)               671199.58
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        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
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        669303.36   4343304.09        3.37584  (12042404)               669222.73
4343235.22        3.31777  (12052101)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1012
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP10  ***
                                   INCLUDING SOURCE(S):     STCK8       ,
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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	3.45592	(12052101)				

*** 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)

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        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)
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1014
 *** 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)
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        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
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4341605.84       50.27744  (13012122)
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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
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        669919.27   4341770.80       45.68779  (10013105)                670140.58
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        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
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        668812.72   4341935.76        4.83405  (11010504)               669034.03
4341935.76        5.60762  (11010504)
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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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                PAGE  1015
 *** 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   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)
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        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
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        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
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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)
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4342595.60       51.30030  (11022219)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                PAGE  1016
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        672574.99   4342595.60        6.44611  (12013023)               668148.79
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        668370.10   4342760.56        3.35732  (13120721)               668591.41
4342760.56        3.59172  (11121806)
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4342760.56        4.71680  (10120703)
        669255.34   4342760.56        5.41284  (14010203)               669476.65
4342760.56        6.02945  (10121606)
        669697.96   4342760.56        7.75147  (12122805)               669919.27
4342760.56        8.87939  (10021902)
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        670140.58   4342760.56       48.83121  (13020305)                670361.89
4342760.56       61.86316  (11021306)
        670583.20   4342760.56       40.60652  (09020507)                670804.51
4342760.56       53.23230  (12080203)
        671025.82   4342760.56       57.49862  (10080601)                671247.13
4342760.56       30.79929  (09010118)
        671468.44   4342760.56       20.77617  (12011417)                671689.75
4342760.56       17.45829  (13093018)
        671911.06   4342760.56       13.41507  (13082319)                672132.37
4342760.56       20.62860  (13041405)
        672353.68   4342760.56       46.26399  (13071420)                672574.99
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        668591.41   4342925.52        3.66262  (10120703)                668812.72
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        669034.03   4342925.52        4.52159  (10121606)                669476.65
4342925.52        5.89697  (10021902)
        669697.96   4342925.52        6.97157  (10021902)                669919.27
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        670140.58   4342925.52       48.95696  (13120520)                670361.89
4342925.52       50.42759  (13022504)
        670583.20   4342925.52       60.67723  (13021624)                670804.51
4342925.52       67.32965  (13112603)
        671025.82   4342925.52       22.16357  (09020202)                671247.13
4342925.52       24.75656  (09010118)
        671468.44   4342925.52       14.43505  (12011417)                671689.75
4342925.52       12.79803  (13093018)
        671911.06   4342925.52       11.95435  (10100218)                672132.37
4342925.52       11.82229  (12063021)
        672353.68   4342925.52       23.97591  (13120923)                672574.99
4342925.52       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)
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*** 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)

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        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)
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4343750.32        6.57668  (12010922)
        671247.13   4343750.32       30.51401  (12011703)               671468.44
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4343750.32       18.20753  (13111705)
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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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1018
 *** 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)
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        669034.03   4344080.24        3.17153  (09120602)              669255.34
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        669476.65   4344080.24        3.59091  (13021807)              669697.96
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        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)
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4342030.05       86.64802  (10020707)
        671513.75   4341991.52      101.89681  (11082019)              671541.78
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        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
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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)
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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)
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4341238.29       35.89622  (10031702)
        671575.34   4341177.95       29.29169  (13080221)                671454.65
4341196.23       32.16285  (12100124)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                  PAGE  1019
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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4341126.74       28.10817  (09090305)
        671471.11   4341064.57       24.08649  (11090720)                671601.55
4341050.55       35.72825  (11012701)
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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)
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4342501.73       75.19659  (11121108)
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        670688.15   4342739.41       31.95157  (10082601)               670804.92
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4342578.67       13.64299  (09120807)
        670546.64   4342662.47       60.32735  (12012908)               670537.03
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        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)
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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
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        671115.92   4341863.81      183.41131  (13120803)               671199.58
4341770.65      148.01898  (09010405)
        671222.39   4341377.07       58.66118  (11012707)               671714.84
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4342942.95        4.45168  (10121606)
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4342922.80        5.37650  (10012403)
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4343151.23        4.65045  (10021902)
        669303.36   4343304.09        4.21411  (09120807)               669222.73
4343235.22        4.19760  (10021902)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1020
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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 *** 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)
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- -
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        669476.65   4340781.04   15.96345 (12011319)   669697.96
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        669919.27   4340781.04   62.94963 (10122708)   670140.58
4340781.04   67.41900 (10122717)
        670361.89   4340781.04   62.37239 (12120808)   670583.20
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4340781.04   39.28979 (13121008)
        671247.13   4340781.04   34.51220 (10101419)   671468.44
4340781.04   41.07432 (09102318)
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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

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        668812.72   4340946.00       11.62303  (12010418)                669034.03
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        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
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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
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4341110.96        9.36931  (13020419)
        668591.41   4341110.96       10.81239  (10021319)                668812.72
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4341110.96       76.63623  (13013119)
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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
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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)

 *** 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)
 -
- -
        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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1023
 *** 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
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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
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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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1024
 *** 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)

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        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
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1025
 *** 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    ,
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                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
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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)
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                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20
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*** 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)
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)

*** 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)

 *** 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)

*** 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	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			

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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
```

*** 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)

*** 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

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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
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1032
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        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)
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1033
 *** 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
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** 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			

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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
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        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
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)
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1034
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP13  ***
                                   INCLUDING SOURCE(S):     L0000851    , L0000852
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, L0000869    , L0000870    , L0000871    ,
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, 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        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)
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4344080.24        6.79276  (11092319)
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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)
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4342030.05       26.40896  (13120120)
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4341710.08       14.93515  (13120120)
        671719.80   4341736.29       14.11254  (13120120)                671673.48
4341630.23       11.63730  (11010418)
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        672136.73   4341370.56        8.86584  (13100619)                671920.34
4341307.17       17.49134  (11010418)
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4341238.29       14.19757  (11120721)
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
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 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE  1035
 *** 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    ,
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, 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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        671230.34   4341132.84        7.52405  (09102121)                671073.08
4341271.82        5.98607  (13011907)
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        670978.40   4341324.15        6.34333  (10091220)                670932.85
4341394.21        7.53444  (13120119)
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4340976.17        6.66147  (13011918)
        671286.67   4340978.51        7.10529  (12081721)                671675.37
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        671091.40   4342277.23       43.62990  (10101520)                671051.75
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        671051.75   4342369.20       50.62790  (12020122)                670953.04
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        670695.71   4342235.89       12.38199  (11120721)                670545.53
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                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP13 ***
                                    INCLUDING SOURCE(S):   L0000851   , L0000852
, L0000853   , L0000854   , L0000855   ,
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, 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)

                                *** 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)
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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)
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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)

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4340946.00       96.88418  (10091119)
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4341110.96       35.62520  (13010608)
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        671689.75   4341110.96       93.06816  (13092718)                671911.06
4341110.96       86.30700  (09010817)
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4341275.92       23.30054  (11120619)
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1038
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP14  ***
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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)

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        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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                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1039
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL
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*** 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)

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        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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 *** AERMET - VERSION  14134 ***   ***
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                                PAGE  1040
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*** 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)
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)

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        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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                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
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*** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
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 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                 PAGE  1042
 *** 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)
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4342162.97       53.27532  (13051219)
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        671599.11   4342252.57       51.87082  (10040319)              671627.76
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        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
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        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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↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1043
 *** 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
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        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
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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)
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        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)
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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
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        669791.04   4342744.90       49.20295  (10011008)              669696.25
4342731.16       46.17461  (11122608)
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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)
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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)
```

*** 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)				

*** 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)

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        670361.89   4341110.96       15.96236  (10123008)               670583.20
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                PAGE  1046
 *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        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
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                PAGE  1047
 *** 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)
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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        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)
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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)
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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)
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4342430.64       38.89036  (13022308)
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        670583.20   4342430.64       25.51488  (10121008)                670804.51
4342430.64       23.86760  (10121008)
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        671468.44   4342430.64       10.28363  (12111008)                671689.75
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        671911.06   4342430.64        6.25800  (12111009)                672132.37
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        672353.68   4342430.64        6.66812  (12111009)                672574.99
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4342595.60      241.85159  (10122708)
        668591.41   4342595.60      258.19943  (12120808)                668812.72
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        669034.03   4342595.60      320.47548  (11122708)                669255.34
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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                PAGE  1048
 *** 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
                    **
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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)

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        669697.96   4343090.48      100.65054  (13012708)                669919.27
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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
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        670583.20   4343255.44       51.22114  (13012708)                670804.51
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4343255.44       18.32788  (13012708)
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        672353.68   4343255.44       13.00119  (13012708)                672574.99
4343255.44       12.00758  (13012708)
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 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                  PAGE  1049
 *** 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
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**

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)
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4343750.32 73.82340 (09021308)
669919.27 4343750.32 67.61662 (13120708) 670140.58
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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
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4343915.28 246.39739 (11121108)
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4343915.28 67.73047 (10113008)
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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
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670583.20 4343915.28 47.41754 (10112508) 670804.51
4343915.28 54.77177 (10112508)
671025.82 4343915.28 40.29160 (10112508) 671247.13
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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)

*** 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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1051
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP15  ***
                                   INCLUDING SOURCE(S):     PAREA3      ,
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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)
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)

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        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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                PAGE  1052
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP15  ***
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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)				

*** 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	

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          8TH HIGHEST VALUE IS       8.19121 AT (  670815.50,  4342198.45,   825.35,
  891.99,    0.00)  DC
          9TH HIGHEST VALUE IS       7.63027 AT (  670817.40,  4342040.64,   818.08,
  898.63,    0.00)  DC
         10TH HIGHEST VALUE IS       7.48527 AT (  670804.51,  4341935.76,   827.94,
  898.49,    0.00)  DC

SRCGP2    1ST HIGHEST VALUE IS      22.62057 AT (  671366.89,  4341998.81,   854.07,
  892.77,    0.00)  DC
          2ND HIGHEST VALUE IS       9.60411 AT (  671468.44,  4341935.76,   866.56,
  892.77,    0.00)  DC
          3RD HIGHEST VALUE IS       6.36988 AT (  671226.19,  4342236.48,   855.31,
  897.82,    0.00)  DC
          4TH HIGHEST VALUE IS       4.85250 AT (  671247.13,  4342265.68,   857.92,
  898.09,    0.00)  DC
          5TH HIGHEST VALUE IS       4.59417 AT (  671068.38,  4342169.93,   846.33,
  891.79,    0.00)  DC
          6TH HIGHEST VALUE IS       4.58365 AT (  671635.08,  4341706.42,   854.34,
  892.11,    0.00)  DC
          7TH HIGHEST VALUE IS       4.50928 AT (  671613.74,  4341791.15,   861.35,
  892.77,    0.00)  DC
          8TH HIGHEST VALUE IS       4.45471 AT (  671174.86,  4342280.21,   855.66,
  897.36,    0.00)  DC
          9TH HIGHEST VALUE IS       4.44135 AT (  671513.75,  4341991.52,   876.27,
  892.77,    0.00)  DC
         10TH HIGHEST VALUE IS       4.28445 AT (  671199.58,  4341770.65,   831.15,
  900.47,    0.00)  DC

SRCGP3    1ST HIGHEST VALUE IS      10.11167 AT (  671068.38,  4342169.93,   846.33,
  891.79,    0.00)  DC
          2ND HIGHEST VALUE IS       8.52388 AT (  671025.82,  4342430.64,   851.38,
  896.72,    0.00)  DC
          3RD HIGHEST VALUE IS       8.08381 AT (  669697.96,  4343255.44,   805.69,
  861.56,    0.00)  DC
          4TH HIGHEST VALUE IS       7.42514 AT (  671174.86,  4342280.21,   855.66,
  897.36,    0.00)  DC
          5TH HIGHEST VALUE IS       7.24003 AT (  671091.40,  4342277.23,   858.83,
  891.46,    0.00)  DC
          6TH HIGHEST VALUE IS       6.53839 AT (  670140.58,  4343255.44,   825.59,
  867.32,    0.00)  DC
          7TH HIGHEST VALUE IS       6.29245 AT (  669919.27,  4343255.44,   819.59,
  863.68,    0.00)  DC
          8TH HIGHEST VALUE IS       6.15958 AT (  669303.36,  4343304.09,   778.29,
  850.55,    0.00)  DC
          9TH HIGHEST VALUE IS       6.02266 AT (  671051.75,  4342369.20,   860.59,
  891.64,    0.00)  DC
         10TH HIGHEST VALUE IS       5.61186 AT (  671025.82,  4342595.60,   854.50,
  913.36,    0.00)  DC

SRCGP4    1ST HIGHEST VALUE IS       7.75825 AT (  669135.39,  4343305.77,   763.44,
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  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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                PAGE  1054
 *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

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,
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  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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***       17:19:20

                                PAGE  1055
 *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

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
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```
         3RD HIGHEST VALUE IS      1.39590 AT (  671051.75,  4342369.20,   860.59,
  891.64,    0.00)  DC
         4TH HIGHEST VALUE IS      1.37287 AT (  671174.86,  4342280.21,   855.66,
  897.36,    0.00)  DC
         5TH HIGHEST VALUE IS      1.34609 AT (  671025.82,  4342265.68,   860.15,
  866.96,    0.00)  DC
         6TH HIGHEST VALUE IS      1.15549 AT (  671025.82,  4342430.64,   851.38,
  896.72,    0.00)  DC
         7TH HIGHEST VALUE IS      0.96583 AT (  670953.04,  4342360.76,   860.91,
  867.60,    0.00)  DC
         8TH HIGHEST VALUE IS      0.92024 AT (  671226.19,  4342236.48,   855.31,
  897.82,    0.00)  DC
         9TH HIGHEST VALUE IS      0.87840 AT (  671247.13,  4342265.68,   857.92,
  898.09,    0.00)  DC
        10TH HIGHEST VALUE IS      0.82780 AT (  670583.20,  4341770.80,   875.04,
  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
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         7TH HIGHEST VALUE IS       5.05358 AT (  671226.19,  4342236.48,   855.31,
  897.82,    0.00)  DC
         8TH HIGHEST VALUE IS       4.29449 AT (  670965.71,  4342179.44,   842.70,
  891.48,    0.00)  DC
         9TH HIGHEST VALUE IS       4.17621 AT (  670895.36,  4342025.43,   820.91,
  898.80,    0.00)  DC
        10TH HIGHEST VALUE IS       4.06897 AT (  671174.86,  4342280.21,   855.66,
  897.36,    0.00)  DC

SRCGP12   1ST HIGHEST VALUE IS      16.58410 AT (  671366.89,  4341998.81,   854.07,
  892.77,    0.00)  DC
         2ND HIGHEST VALUE IS      10.34569 AT (  671199.58,  4341770.65,   831.15,
  900.47,    0.00)  DC
         3RD HIGHEST VALUE IS       7.82524 AT (  671468.44,  4341935.76,   866.56,
  892.77,    0.00)  DC
         4TH HIGHEST VALUE IS       6.15486 AT (  671115.92,  4341863.81,   829.08,
  900.47,    0.00)  DC
         5TH HIGHEST VALUE IS       5.80584 AT (  671068.38,  4342169.93,   846.33,
  891.79,    0.00)  DC
         6TH HIGHEST VALUE IS       5.52849 AT (  671226.19,  4342236.48,   855.31,
  897.82,    0.00)  DC
         7TH HIGHEST VALUE IS       4.91190 AT (  670965.71,  4342179.44,   842.70,
  891.48,    0.00)  DC
         8TH HIGHEST VALUE IS       4.59628 AT (  671247.13,  4342265.68,   857.92,
  898.09,    0.00)  DC
         9TH HIGHEST VALUE IS       4.37351 AT (  671513.75,  4341991.52,   876.27,
  892.77,    0.00)  DC
        10TH HIGHEST VALUE IS       4.11363 AT (  671541.78,  4341964.66,   874.92,
  892.77,    0.00)  DC
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***       17:19:20

                                PAGE  1056
 *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
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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

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***   02/24/20
 *** AERMET - VERSION 14134 ***   ***
                         ***   17:19:20

                                PAGE 1057
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

                                                    *** THE SUMMARY OF HIGHEST 1-HR
RESULTS ***

                                    ** CONC OF VARIOUS IN MICROGRAMS/M**3
             **

                                                        DATE
                                        NETWORK
GROUP ID   AVERAGE CONC   (YYMMDDHH)   RECEPTOR
(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

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** 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 ***

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  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:    782 Source(s);      15 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:      3 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 =      5.0 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

 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                         ***        17:19:20

                                    PAGE   2
 *** 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 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV 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
Upper air station no.: 3198 Name: UNKNOWN

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)
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                        ***        17:19:20

                                   PAGE   4
 *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

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
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         9TH HIGHEST VALUE IS      7.63027 AT (  670817.40,  4342040.64,   818.08,
  898.63,    0.00)  DC
        10TH HIGHEST VALUE IS      7.48527 AT (  670804.51,  4341935.76,   827.94,
  898.49,    0.00)  DC

SRCGP2    1ST HIGHEST VALUE IS     22.62057 AT (  671366.89,  4341998.81,   854.07,
  892.77,    0.00)  DC
         2ND HIGHEST VALUE IS      9.60411 AT (  671468.44,  4341935.76,   866.56,
  892.77,    0.00)  DC
         3RD HIGHEST VALUE IS      6.36988 AT (  671226.19,  4342236.48,   855.31,
  897.82,    0.00)  DC
         4TH HIGHEST VALUE IS      4.85250 AT (  671247.13,  4342265.68,   857.92,
  898.09,    0.00)  DC
         5TH HIGHEST VALUE IS      4.59417 AT (  671068.38,  4342169.93,   846.33,
  891.79,    0.00)  DC
         6TH HIGHEST VALUE IS      4.58365 AT (  671635.08,  4341706.42,   854.34,
  892.11,    0.00)  DC
         7TH HIGHEST VALUE IS      4.50928 AT (  671613.74,  4341791.15,   861.35,
  892.77,    0.00)  DC
         8TH HIGHEST VALUE IS      4.45471 AT (  671174.86,  4342280.21,   855.66,
  897.36,    0.00)  DC
         9TH HIGHEST VALUE IS      4.44135 AT (  671513.75,  4341991.52,   876.27,
  892.77,    0.00)  DC
        10TH HIGHEST VALUE IS      4.28445 AT (  671199.58,  4341770.65,   831.15,
  900.47,    0.00)  DC

SRCGP3    1ST HIGHEST VALUE IS     10.11167 AT (  671068.38,  4342169.93,   846.33,
  891.79,    0.00)  DC
         2ND HIGHEST VALUE IS      8.52388 AT (  671025.82,  4342430.64,   851.38,
  896.72,    0.00)  DC
         3RD HIGHEST VALUE IS      8.08381 AT (  669697.96,  4343255.44,   805.69,
  861.56,    0.00)  DC
         4TH HIGHEST VALUE IS      7.42514 AT (  671174.86,  4342280.21,   855.66,
  897.36,    0.00)  DC
         5TH HIGHEST VALUE IS      7.24003 AT (  671091.40,  4342277.23,   858.83,
  891.46,    0.00)  DC
         6TH HIGHEST VALUE IS      6.53839 AT (  670140.58,  4343255.44,   825.59,
  867.32,    0.00)  DC
         7TH HIGHEST VALUE IS      6.29245 AT (  669919.27,  4343255.44,   819.59,
  863.68,    0.00)  DC
         8TH HIGHEST VALUE IS      6.15958 AT (  669303.36,  4343304.09,   778.29,
  850.55,    0.00)  DC
         9TH HIGHEST VALUE IS      6.02266 AT (  671051.75,  4342369.20,   860.59,
  891.64,    0.00)  DC
        10TH HIGHEST VALUE IS      5.61186 AT (  671025.82,  4342595.60,   854.50,
  913.36,    0.00)  DC

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,
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*** 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,		

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  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,
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  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
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                        ***        02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***        17:19:20

                                  PAGE   6
 *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

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
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         4TH HIGHEST VALUE IS      1.37287 AT (  671174.86,  4342280.21,   855.66,
  897.36,    0.00)  DC
         5TH HIGHEST VALUE IS      1.34609 AT (  671025.82,  4342265.68,   860.15,
  866.96,    0.00)  DC
         6TH HIGHEST VALUE IS      1.15549 AT (  671025.82,  4342430.64,   851.38,
  896.72,    0.00)  DC
         7TH HIGHEST VALUE IS      0.96583 AT (  670953.04,  4342360.76,   860.91,
  867.60,    0.00)  DC
         8TH HIGHEST VALUE IS      0.92024 AT (  671226.19,  4342236.48,   855.31,
  897.82,    0.00)  DC
         9TH HIGHEST VALUE IS      0.87840 AT (  671247.13,  4342265.68,   857.92,
  898.09,    0.00)  DC
        10TH HIGHEST VALUE IS      0.82780 AT (  670583.20,  4341770.80,   875.04,
  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
         7TH HIGHEST VALUE IS      5.05358 AT (  671226.19,  4342236.48,   855.31,
  897.82,    0.00)  DC
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         8TH HIGHEST VALUE IS       4.29449 AT (  670965.71,  4342179.44,   842.70,
  891.48,    0.00)  DC
         9TH HIGHEST VALUE IS       4.17621 AT (  670895.36,  4342025.43,   820.91,
  898.80,    0.00)  DC
        10TH HIGHEST VALUE IS       4.06897 AT (  671174.86,  4342280.21,   855.66,
  897.36,    0.00)  DC

SRCGP12   1ST HIGHEST VALUE IS      16.58410 AT (  671366.89,  4341998.81,   854.07,
  892.77,    0.00)  DC
         2ND HIGHEST VALUE IS      10.34569 AT (  671199.58,  4341770.65,   831.15,
  900.47,    0.00)  DC
         3RD HIGHEST VALUE IS       7.82524 AT (  671468.44,  4341935.76,   866.56,
  892.77,    0.00)  DC
         4TH HIGHEST VALUE IS       6.15486 AT (  671115.92,  4341863.81,   829.08,
  900.47,    0.00)  DC
         5TH HIGHEST VALUE IS       5.80584 AT (  671068.38,  4342169.93,   846.33,
  891.79,    0.00)  DC
         6TH HIGHEST VALUE IS       5.52849 AT (  671226.19,  4342236.48,   855.31,
  897.82,    0.00)  DC
         7TH HIGHEST VALUE IS       4.91190 AT (  670965.71,  4342179.44,   842.70,
  891.48,    0.00)  DC
         8TH HIGHEST VALUE IS       4.59628 AT (  671247.13,  4342265.68,   857.92,
  898.09,    0.00)  DC
         9TH HIGHEST VALUE IS       4.37351 AT (  671513.75,  4341991.52,   876.27,
  892.77,    0.00)  DC
        10TH HIGHEST VALUE IS       4.11363 AT (  671541.78,  4341964.66,   874.92,
  892.77,    0.00)  DC
 *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                          ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  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
         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


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\Users\apoll\Desktop\HARP2\IMM\IMM.isc
                         ***       02/24/20
 *** AERMET - VERSION  14134 ***   ***
                       ***       17:19:20

                                  PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                    ** CONC OF VARIOUS  IN MICROGRAMS/M**3
               **


                                                      DATE
                                         NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(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

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** 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 19044) 3/3/2021 3:41:59 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\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-UnmitCancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-UnmitCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-UnmitNCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-UnmitNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-UnmitNCAcuteRisk.csv
Acute risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-UnmitNCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 19044) 3/3/2021 3:42:26 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\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-MitCancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-MitCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-MitNCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-MitNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-MitNCAcuteRisk.csv
Acute risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-1-MitNCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 19044) 3/3/2021 3:43:16 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

****
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\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-2CancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-2CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-2NCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-2NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-2NCAcuteRisk.csv
Acute risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-2NCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 19044) 3/3/2021 3:44:10 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

****
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\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-3CancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-3CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-3NCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-3NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-3NCAcuteRisk.csv
Acute risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-3NCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 19044) 3/3/2021 3:45:01 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

****
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\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-4CancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-4CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-4NCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-4NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-4NCAcuteRisk.csv
Acute risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\HARP\IMM\IMM\RISE HRA - Increased Asbestos - 3.2.21\RISE HRA\hra\Run-4NCAcuteRiskSumByRec.csv

HRA ran successfully

Unmitigated Cancer Risk

1	ALL	668148.8	4340781.04	1.84E-07
2	ALL	668370.1	4340781.04	2.16E-07
3	ALL	668591.4	4340781.04	2.48E-07
4	ALL	668812.7	4340781.04	2.77E-07
5	ALL	669034	4340781.04	3.19E-07
6	ALL	669255.3	4340781.04	3.72E-07
7	ALL	669476.7	4340781.04	4.05E-07
8	ALL	669698	4340781.04	4.47E-07
9	ALL	669919.3	4340781.04	5.17E-07
10	ALL	670140.6	4340781.04	5.05E-07
11	ALL	670361.9	4340781.04	4.37E-07
12	ALL	670583.2	4340781.04	3.36E-07
13	ALL	670804.5	4340781.04	2.85E-07
14	ALL	671025.8	4340781.04	2.33E-07
15	ALL	671247.1	4340781.04	2.06E-07
16	ALL	671468.4	4340781.04	2.09E-07
17	ALL	671689.8	4340781.04	1.96E-07
18	ALL	671911.1	4340781.04	1.77E-07
19	ALL	672132.4	4340781.04	1.41E-07
20	ALL	672353.7	4340781.04	1.53E-07
21	ALL	672575	4340781.04	1.33E-07
22	ALL	668148.8	4340946	1.70E-07
23	ALL	668370.1	4340946	1.98E-07
24	ALL	668591.4	4340946	2.30E-07
25	ALL	668812.7	4340946	2.65E-07
26	ALL	669034	4340946	3.19E-07
27	ALL	669255.3	4340946	3.73E-07
28	ALL	669476.7	4340946	4.16E-07
29	ALL	669698	4340946	5.11E-07
30	ALL	669919.3	4340946	6.17E-07
31	ALL	670140.6	4340946	6.26E-07
32	ALL	670361.9	4340946	5.80E-07
33	ALL	670583.2	4340946	4.98E-07
34	ALL	670804.5	4340946	3.74E-07
35	ALL	671025.8	4340946	2.93E-07
36	ALL	671247.1	4340946	2.43E-07
37	ALL	671468.4	4340946	2.32E-07
38	ALL	671689.8	4340946	2.56E-07
39	ALL	671911.1	4340946	2.52E-07
40	ALL	672132.4	4340946	1.56E-07
41	ALL	672353.7	4340946	1.44E-07
42	ALL	672575	4340946	1.47E-07
43	ALL	668148.8	4341110.96	1.59E-07
44	ALL	668370.1	4341110.96	1.82E-07
45	ALL	668591.4	4341110.96	2.15E-07
46	ALL	668812.7	4341110.96	2.51E-07
47	ALL	669034	4341110.96	3.00E-07

Unmitigated Cancer Risk

48	ALL	669255.3	4341110.96	3.49E-07
49	ALL	669476.7	4341110.96	4.23E-07
50	ALL	669698	4341110.96	5.41E-07
51	ALL	669919.3	4341110.96	6.14E-07
52	ALL	670140.6	4341110.96	7.58E-07
53	ALL	670361.9	4341110.96	7.49E-07
54	ALL	670583.2	4341110.96	6.19E-07
55	ALL	670804.5	4341110.96	4.66E-07
56	ALL	671025.8	4341110.96	3.57E-07
57	ALL	671247.1	4341110.96	3.37E-07
58	ALL	671468.4	4341110.96	3.06E-07
59	ALL	671689.8	4341110.96	3.79E-07
60	ALL	671911.1	4341110.96	3.42E-07
61	ALL	672132.4	4341110.96	1.75E-07
62	ALL	672353.7	4341110.96	1.49E-07
63	ALL	672575	4341110.96	1.77E-07
64	ALL	668148.8	4341275.92	1.50E-07
65	ALL	668370.1	4341275.92	1.71E-07
66	ALL	668591.4	4341275.92	2.00E-07
67	ALL	668812.7	4341275.92	2.38E-07
68	ALL	669034	4341275.92	3.00E-07
69	ALL	669255.3	4341275.92	3.49E-07
70	ALL	669476.7	4341275.92	4.08E-07
71	ALL	669698	4341275.92	5.08E-07
72	ALL	669919.3	4341275.92	7.03E-07
73	ALL	670140.6	4341275.92	8.73E-07
74	ALL	670361.9	4341275.92	9.27E-07
75	ALL	670583.2	4341275.92	7.77E-07
76	ALL	670804.5	4341275.92	6.33E-07
77	ALL	671025.8	4341275.92	5.08E-07
78	ALL	671247.1	4341275.92	5.46E-07
79	ALL	671468.4	4341275.92	6.37E-07
80	ALL	671689.8	4341275.92	6.28E-07
81	ALL	671911.1	4341275.92	4.65E-07
82	ALL	672132.4	4341275.92	2.33E-07
83	ALL	672353.7	4341275.92	1.86E-07
84	ALL	672575	4341275.92	2.24E-07
85	ALL	668148.8	4341440.88	1.42E-07
86	ALL	668370.1	4341440.88	1.62E-07
87	ALL	668591.4	4341440.88	1.86E-07
88	ALL	668812.7	4341440.88	2.24E-07
89	ALL	669034	4341440.88	2.74E-07
90	ALL	669255.3	4341440.88	3.08E-07
91	ALL	669476.7	4341440.88	3.79E-07
92	ALL	669698	4341440.88	4.92E-07
93	ALL	669919.3	4341440.88	6.71E-07
94	ALL	670140.6	4341440.88	8.92E-07

Unmitigated Cancer Risk

95	ALL	670361.9	4341440.88	1.13E-06
96	ALL	670583.2	4341440.88	1.08E-06
97	ALL	670804.5	4341440.88	1.01E-06
98	ALL	671025.8	4341440.88	8.58E-07
99	ALL	671689.8	4341440.88	1.47E-06
100	ALL	671911.1	4341440.88	6.17E-07
101	ALL	672132.4	4341440.88	3.53E-07
102	ALL	672353.7	4341440.88	2.95E-07
103	ALL	672575	4341440.88	3.24E-07
104	ALL	668148.8	4341605.84	1.41E-07
105	ALL	668370.1	4341605.84	1.58E-07
106	ALL	668591.4	4341605.84	1.79E-07
107	ALL	668812.7	4341605.84	2.06E-07
108	ALL	669034	4341605.84	2.37E-07
109	ALL	669255.3	4341605.84	2.80E-07
110	ALL	669476.7	4341605.84	3.44E-07
111	ALL	669698	4341605.84	4.31E-07
112	ALL	669919.3	4341605.84	5.51E-07
113	ALL	670140.6	4341605.84	8.03E-07
114	ALL	670361.9	4341605.84	1.13E-06
115	ALL	670583.2	4341605.84	1.52E-06
116	ALL	670804.5	4341605.84	1.67E-06
117	ALL	671025.8	4341605.84	1.64E-06
118	ALL	671689.8	4341605.84	2.97E-06
119	ALL	671911.1	4341605.84	1.05E-06
120	ALL	672132.4	4341605.84	5.80E-07
121	ALL	672353.7	4341605.84	4.00E-07
122	ALL	672575	4341605.84	3.87E-07
123	ALL	668148.8	4341770.8	1.35E-07
124	ALL	668370.1	4341770.8	1.52E-07
125	ALL	668591.4	4341770.8	1.68E-07
126	ALL	668812.7	4341770.8	1.92E-07
127	ALL	669034	4341770.8	2.22E-07
128	ALL	669255.3	4341770.8	2.69E-07
129	ALL	669476.7	4341770.8	3.00E-07
130	ALL	669698	4341770.8	3.31E-07
131	ALL	669919.3	4341770.8	4.23E-07
132	ALL	670140.6	4341770.8	5.88E-07
133	ALL	670361.9	4341770.8	8.32E-07
134	ALL	670583.2	4341770.8	1.71E-06
135	ALL	670804.5	4341770.8	2.45E-06
136	ALL	671025.8	4341770.8	3.49E-06
137	ALL	671689.8	4341770.8	3.45E-06
138	ALL	671911.1	4341770.8	1.40E-06
139	ALL	672132.4	4341770.8	6.55E-07
140	ALL	672353.7	4341770.8	4.08E-07
141	ALL	672575	4341770.8	4.22E-07

Unmitigated Cancer Risk

142	ALL	668148.8	4341935.76	1.29E-07
143	ALL	668370.1	4341935.76	1.44E-07
144	ALL	668591.4	4341935.76	1.64E-07
145	ALL	668812.7	4341935.76	1.86E-07
146	ALL	669034	4341935.76	2.16E-07
147	ALL	669255.3	4341935.76	2.34E-07
148	ALL	669476.7	4341935.76	2.45E-07
149	ALL	669698	4341935.76	2.90E-07
150	ALL	669919.3	4341935.76	3.39E-07
151	ALL	670140.6	4341935.76	4.33E-07
152	ALL	670361.9	4341935.76	6.31E-07
153	ALL	670583.2	4341935.76	1.14E-06
154	ALL	670804.5	4341935.76	2.94E-06
155	ALL	671468.4	4341935.76	1.06E-05
156	ALL	671689.8	4341935.76	3.04E-06
157	ALL	671911.1	4341935.76	1.39E-06
158	ALL	672132.4	4341935.76	6.86E-07
159	ALL	672353.7	4341935.76	4.15E-07
160	ALL	672575	4341935.76	3.85E-07
161	ALL	668148.8	4342100.72	1.31E-07
162	ALL	668370.1	4342100.72	1.49E-07
163	ALL	668591.4	4342100.72	1.66E-07
164	ALL	668812.7	4342100.72	1.86E-07
165	ALL	669034	4342100.72	2.16E-07
166	ALL	669255.3	4342100.72	2.42E-07
167	ALL	669476.7	4342100.72	2.41E-07
168	ALL	669698	4342100.72	2.80E-07
169	ALL	669919.3	4342100.72	3.42E-07
170	ALL	670140.6	4342100.72	4.30E-07
171	ALL	670361.9	4342100.72	6.53E-07
172	ALL	670583.2	4342100.72	1.47E-06
173	ALL	671468.4	4342100.72	5.37E-06
174	ALL	671689.8	4342100.72	2.28E-06
175	ALL	671911.1	4342100.72	1.23E-06
176	ALL	672132.4	4342100.72	6.94E-07
177	ALL	672353.7	4342100.72	4.28E-07
178	ALL	672575	4342100.72	3.71E-07
179	ALL	668148.8	4342265.68	1.38E-07
180	ALL	668370.1	4342265.68	1.56E-07
181	ALL	668591.4	4342265.68	1.69E-07
182	ALL	668812.7	4342265.68	1.91E-07
183	ALL	669034	4342265.68	2.17E-07
184	ALL	669255.3	4342265.68	2.52E-07
185	ALL	669476.7	4342265.68	2.98E-07
186	ALL	669698	4342265.68	3.48E-07
187	ALL	669919.3	4342265.68	4.27E-07
188	ALL	670140.6	4342265.68	5.33E-07

Unmitigated Cancer Risk

189	ALL	670361.9	4342265.68	9.03E-07
190	ALL	670583.2	4342265.68	2.58E-06
191	ALL	670804.5	4342265.68	3.26E-06
192	ALL	671025.8	4342265.68	6.55E-06
193	ALL	671247.1	4342265.68	7.73E-06
194	ALL	671468.4	4342265.68	3.60E-06
195	ALL	671689.8	4342265.68	1.78E-06
196	ALL	671911.1	4342265.68	1.01E-06
197	ALL	672132.4	4342265.68	6.61E-07
198	ALL	672353.7	4342265.68	4.53E-07
199	ALL	672575	4342265.68	4.03E-07
200	ALL	668148.8	4342430.64	1.39E-07
201	ALL	668370.1	4342430.64	1.62E-07
202	ALL	668591.4	4342430.64	1.80E-07
203	ALL	668812.7	4342430.64	2.07E-07
204	ALL	669034	4342430.64	2.41E-07
205	ALL	669255.3	4342430.64	2.91E-07
206	ALL	669476.7	4342430.64	3.66E-07
207	ALL	669698	4342430.64	4.94E-07
208	ALL	669919.3	4342430.64	5.50E-07
209	ALL	670140.6	4342430.64	8.96E-07
210	ALL	670361.9	4342430.64	2.46E-06
211	ALL	670583.2	4342430.64	1.51E-06
212	ALL	670804.5	4342430.64	2.46E-06
213	ALL	671025.8	4342430.64	4.46E-06
214	ALL	671247.1	4342430.64	3.94E-06
215	ALL	671468.4	4342430.64	2.38E-06
216	ALL	671689.8	4342430.64	1.32E-06
217	ALL	671911.1	4342430.64	8.03E-07
218	ALL	672132.4	4342430.64	5.66E-07
219	ALL	672353.7	4342430.64	4.66E-07
220	ALL	672575	4342430.64	3.80E-07
221	ALL	668148.8	4342595.6	1.48E-07
222	ALL	668370.1	4342595.6	1.70E-07
223	ALL	668591.4	4342595.6	1.99E-07
224	ALL	668812.7	4342595.6	2.36E-07
225	ALL	669034	4342595.6	2.81E-07
226	ALL	669255.3	4342595.6	3.61E-07
227	ALL	669476.7	4342595.6	8.29E-07
228	ALL	669698	4342595.6	1.71E-06
229	ALL	669919.3	4342595.6	1.68E-06
230	ALL	670140.6	4342595.6	1.85E-06
231	ALL	670361.9	4342595.6	1.27E-06
232	ALL	670583.2	4342595.6	1.32E-06
233	ALL	670804.5	4342595.6	2.00E-06
234	ALL	671025.8	4342595.6	2.90E-06
235	ALL	671247.1	4342595.6	2.68E-06

Unmitigated Cancer Risk

236	ALL	671468.4	4342595.6	1.65E-06
237	ALL	671689.8	4342595.6	9.59E-07
238	ALL	671911.1	4342595.6	6.14E-07
239	ALL	672132.4	4342595.6	4.60E-07
240	ALL	672353.7	4342595.6	3.90E-07
241	ALL	672575	4342595.6	3.46E-07
242	ALL	668148.8	4342760.56	1.60E-07
243	ALL	668370.1	4342760.56	1.97E-07
244	ALL	668591.4	4342760.56	2.33E-07
245	ALL	668812.7	4342760.56	2.87E-07
246	ALL	669034	4342760.56	3.26E-07
247	ALL	669255.3	4342760.56	4.37E-07
248	ALL	669476.7	4342760.56	1.62E-06
249	ALL	669698	4342760.56	6.88E-07
250	ALL	669919.3	4342760.56	8.21E-07
251	ALL	670140.6	4342760.56	8.15E-07
252	ALL	670361.9	4342760.56	9.82E-07
253	ALL	670583.2	4342760.56	1.21E-06
254	ALL	670804.5	4342760.56	1.65E-06
255	ALL	671025.8	4342760.56	1.91E-06
256	ALL	671247.1	4342760.56	1.75E-06
257	ALL	671468.4	4342760.56	1.26E-06
258	ALL	671689.8	4342760.56	8.03E-07
259	ALL	671911.1	4342760.56	4.96E-07
260	ALL	672132.4	4342760.56	3.82E-07
261	ALL	672353.7	4342760.56	3.33E-07
262	ALL	672575	4342760.56	2.70E-07
263	ALL	668148.8	4342925.52	1.68E-07
264	ALL	668370.1	4342925.52	2.13E-07
265	ALL	668591.4	4342925.52	2.95E-07
266	ALL	668812.7	4342925.52	4.02E-07
267	ALL	669034	4342925.52	6.16E-07
268	ALL	669476.7	4342925.52	9.84E-07
269	ALL	669698	4342925.52	5.65E-07
270	ALL	669919.3	4342925.52	6.11E-07
271	ALL	670140.6	4342925.52	7.18E-07
272	ALL	670361.9	4342925.52	8.96E-07
273	ALL	670583.2	4342925.52	1.20E-06
274	ALL	670804.5	4342925.52	1.32E-06
275	ALL	671025.8	4342925.52	1.29E-06
276	ALL	671247.1	4342925.52	1.28E-06
277	ALL	671468.4	4342925.52	9.48E-07
278	ALL	671689.8	4342925.52	6.53E-07
279	ALL	671911.1	4342925.52	4.30E-07
280	ALL	672132.4	4342925.52	2.97E-07
281	ALL	672353.7	4342925.52	2.68E-07
282	ALL	672575	4342925.52	2.30E-07

Unmitigated Cancer Risk

283	ALL	668148.8	4343090.48	1.65E-07
284	ALL	668370.1	4343090.48	2.11E-07
285	ALL	668591.4	4343090.48	3.60E-07
286	ALL	669476.7	4343090.48	6.07E-07
287	ALL	669698	4343090.48	5.16E-07
288	ALL	669919.3	4343090.48	5.85E-07
289	ALL	670140.6	4343090.48	7.04E-07
290	ALL	670361.9	4343090.48	8.63E-07
291	ALL	670583.2	4343090.48	9.35E-07
292	ALL	670804.5	4343090.48	1.04E-06
293	ALL	671025.8	4343090.48	9.77E-07
294	ALL	671247.1	4343090.48	9.69E-07
295	ALL	671468.4	4343090.48	7.57E-07
296	ALL	671689.8	4343090.48	5.40E-07
297	ALL	671911.1	4343090.48	3.73E-07
298	ALL	672132.4	4343090.48	2.67E-07
299	ALL	672353.7	4343090.48	1.95E-07
300	ALL	672575	4343090.48	1.77E-07
301	ALL	668148.8	4343255.44	1.63E-07
302	ALL	668370.1	4343255.44	2.10E-07
303	ALL	668591.4	4343255.44	3.86E-07
304	ALL	669476.7	4343255.44	5.24E-07
305	ALL	669698	4343255.44	6.63E-07
306	ALL	669919.3	4343255.44	6.74E-07
307	ALL	670140.6	4343255.44	7.59E-07
308	ALL	670361.9	4343255.44	7.30E-07
309	ALL	670583.2	4343255.44	7.37E-07
310	ALL	670804.5	4343255.44	8.33E-07
311	ALL	671025.8	4343255.44	7.78E-07
312	ALL	671247.1	4343255.44	7.48E-07
313	ALL	671468.4	4343255.44	6.28E-07
314	ALL	671689.8	4343255.44	4.56E-07
315	ALL	671911.1	4343255.44	3.25E-07
316	ALL	672132.4	4343255.44	2.39E-07
317	ALL	672353.7	4343255.44	1.81E-07
318	ALL	672575	4343255.44	1.38E-07
319	ALL	668148.8	4343420.4	1.57E-07
320	ALL	668370.1	4343420.4	2.04E-07
321	ALL	668591.4	4343420.4	3.44E-07
322	ALL	668812.7	4343420.4	6.77E-07
323	ALL	669034	4343420.4	8.19E-07
324	ALL	669255.3	4343420.4	5.95E-07
325	ALL	669476.7	4343420.4	5.35E-07
326	ALL	669698	4343420.4	4.72E-07
327	ALL	669919.3	4343420.4	5.15E-07
328	ALL	670140.6	4343420.4	5.35E-07
329	ALL	670361.9	4343420.4	5.73E-07

Unmitigated Cancer Risk

330	ALL	670583.2	4343420.4	6.14E-07
331	ALL	670804.5	4343420.4	6.89E-07
332	ALL	671025.8	4343420.4	6.85E-07
333	ALL	671247.1	4343420.4	6.43E-07
334	ALL	671468.4	4343420.4	5.14E-07
335	ALL	671689.8	4343420.4	3.96E-07
336	ALL	671911.1	4343420.4	2.88E-07
337	ALL	672132.4	4343420.4	2.13E-07
338	ALL	672353.7	4343420.4	1.62E-07
339	ALL	672575	4343420.4	1.26E-07
340	ALL	668148.8	4343585.36	1.55E-07
341	ALL	668370.1	4343585.36	1.97E-07
342	ALL	668591.4	4343585.36	2.81E-07
343	ALL	668812.7	4343585.36	4.47E-07
344	ALL	669034	4343585.36	4.98E-07
345	ALL	669255.3	4343585.36	4.25E-07
346	ALL	669476.7	4343585.36	3.92E-07
347	ALL	669698	4343585.36	4.01E-07
348	ALL	669919.3	4343585.36	4.26E-07
349	ALL	670140.6	4343585.36	4.57E-07
350	ALL	670361.9	4343585.36	4.89E-07
351	ALL	670583.2	4343585.36	5.27E-07
352	ALL	670804.5	4343585.36	5.68E-07
353	ALL	671025.8	4343585.36	5.90E-07
354	ALL	671247.1	4343585.36	5.37E-07
355	ALL	671468.4	4343585.36	4.53E-07
356	ALL	671689.8	4343585.36	3.65E-07
357	ALL	671911.1	4343585.36	2.67E-07
358	ALL	672132.4	4343585.36	2.01E-07
359	ALL	672353.7	4343585.36	1.51E-07
360	ALL	672575	4343585.36	1.19E-07
361	ALL	668148.8	4343750.32	1.56E-07
362	ALL	668370.1	4343750.32	1.91E-07
363	ALL	668591.4	4343750.32	2.63E-07
364	ALL	668812.7	4343750.32	3.47E-07
365	ALL	669034	4343750.32	3.76E-07
366	ALL	669255.3	4343750.32	3.61E-07
367	ALL	669476.7	4343750.32	3.48E-07
368	ALL	669698	4343750.32	3.59E-07
369	ALL	669919.3	4343750.32	3.79E-07
370	ALL	670140.6	4343750.32	4.03E-07
371	ALL	670361.9	4343750.32	4.32E-07
372	ALL	670583.2	4343750.32	4.56E-07
373	ALL	670804.5	4343750.32	4.80E-07
374	ALL	671025.8	4343750.32	4.91E-07
375	ALL	671247.1	4343750.32	4.74E-07
376	ALL	671468.4	4343750.32	4.26E-07

Unmitigated Cancer Risk

377	ALL	671689.8	4343750.32	3.63E-07
378	ALL	671911.1	4343750.32	2.80E-07
379	ALL	672132.4	4343750.32	2.03E-07
380	ALL	672353.7	4343750.32	1.47E-07
381	ALL	672575	4343750.32	1.16E-07
382	ALL	668148.8	4343915.28	1.53E-07
383	ALL	668370.1	4343915.28	1.89E-07
384	ALL	668591.4	4343915.28	2.41E-07
385	ALL	668812.7	4343915.28	2.96E-07
386	ALL	669034	4343915.28	3.24E-07
387	ALL	669255.3	4343915.28	3.27E-07
388	ALL	669476.7	4343915.28	3.22E-07
389	ALL	669698	4343915.28	3.27E-07
390	ALL	669919.3	4343915.28	3.41E-07
391	ALL	670140.6	4343915.28	3.61E-07
392	ALL	670361.9	4343915.28	3.80E-07
393	ALL	670583.2	4343915.28	4.02E-07
394	ALL	670804.5	4343915.28	4.19E-07
395	ALL	671025.8	4343915.28	4.27E-07
396	ALL	671247.1	4343915.28	4.07E-07
397	ALL	671468.4	4343915.28	3.67E-07
398	ALL	671689.8	4343915.28	3.13E-07
399	ALL	671911.1	4343915.28	2.50E-07
400	ALL	672132.4	4343915.28	2.01E-07
401	ALL	672353.7	4343915.28	1.56E-07
402	ALL	672575	4343915.28	1.21E-07
403	ALL	668148.8	4344080.24	1.54E-07
404	ALL	668370.1	4344080.24	1.85E-07
405	ALL	668591.4	4344080.24	2.26E-07
406	ALL	668812.7	4344080.24	2.67E-07
407	ALL	669034	4344080.24	2.92E-07
408	ALL	669255.3	4344080.24	3.01E-07
409	ALL	669476.7	4344080.24	2.94E-07
410	ALL	669698	4344080.24	2.99E-07
411	ALL	669919.3	4344080.24	3.11E-07
412	ALL	670140.6	4344080.24	3.34E-07
413	ALL	670361.9	4344080.24	3.39E-07
414	ALL	670583.2	4344080.24	3.56E-07
415	ALL	670804.5	4344080.24	3.73E-07
416	ALL	671025.8	4344080.24	3.67E-07
417	ALL	671247.1	4344080.24	3.57E-07
418	ALL	671468.4	4344080.24	3.30E-07
419	ALL	671689.8	4344080.24	2.70E-07
420	ALL	671911.1	4344080.24	2.10E-07
421	ALL	672132.4	4344080.24	1.64E-07
422	ALL	672353.7	4344080.24	1.35E-07
423	ALL	672575	4344080.24	1.07E-07

Unmitigated Cancer Risk

424	ALL	671464.7	4342094.27	5.63E-06
425	ALL	671482.2	4342063.91	5.78E-06
426	ALL	671498.6	4342030.05	5.93E-06
427	ALL	671513.8	4341991.52	6.23E-06
428	ALL	671541.8	4341964.66	5.82E-06
429	ALL	671575.6	4341974	4.60E-06
430	ALL	671460.8	4342162.97	4.62E-06
431	ALL	671451	4342187.35	4.50E-06
432	ALL	671510.7	4342219.66	3.36E-06
433	ALL	671524.1	4342192.84	3.36E-06
434	ALL	671522.9	4342250.74	3.04E-06
435	ALL	671599.1	4342252.57	2.36E-06
436	ALL	671627.8	4342256.84	2.15E-06
437	ALL	671583.9	4342116.03	3.00E-06
438	ALL	671595.5	4342071.54	3.14E-06
439	ALL	671663.1	4342056.3	2.63E-06
440	ALL	671600.9	4342030.09	3.47E-06
441	ALL	671526.6	4342155.65	3.53E-06
442	ALL	671629	4342292.19	2.02E-06
443	ALL	671641.8	4341980.71	3.33E-06
444	ALL	671666.8	4342018.51	2.81E-06
445	ALL	671407.1	4342219.66	5.01E-06
446	ALL	671415.6	4342183.08	5.40E-06
447	ALL	671635.1	4341706.42	5.02E-06
448	ALL	671693.6	4341710.08	3.34E-06
449	ALL	671719.8	4341736.29	3.00E-06
450	ALL	671673.5	4341630.23	3.42E-06
451	ALL	671888	4341936.22	1.50E-06
452	ALL	671977.6	4341952.07	1.11E-06
453	ALL	672039.2	4341894.77	9.04E-07
454	ALL	671858.2	4341753.96	1.74E-06
455	ALL	671922.8	4341634.49	1.08E-06
456	ALL	671613.7	4341791.15	5.65E-06
457	ALL	671853.3	4341730.8	1.72E-06
458	ALL	671783.8	4341585.73	1.76E-06
459	ALL	671783.2	4341546.72	1.56E-06
460	ALL	671769.2	4341461.38	1.24E-06
461	ALL	671800.9	4341420.54	9.59E-07
462	ALL	671880.1	4341427.25	6.66E-07
463	ALL	672012.4	4341504.66	5.25E-07
464	ALL	672084.3	4341547.94	5.46E-07
465	ALL	671915.5	4341478.45	6.78E-07
466	ALL	671903.3	4341564.4	9.45E-07
467	ALL	671863.1	4341522.34	9.56E-07
468	ALL	671830.1	4341336.43	6.94E-07
469	ALL	671835.6	4341287.66	6.19E-07
470	ALL	671825.9	4341275.47	6.15E-07

Unmitigated Cancer Risk

471	ALL	672136.7	4341370.56	2.83E-07
472	ALL	671920.3	4341307.17	4.52E-07
473	ALL	671695.4	4341257.19	5.82E-07
474	ALL	671682	4341176.12	4.31E-07
475	ALL	671991.7	4341196.23	3.50E-07
476	ALL	672022.1	4341231.59	3.22E-07
477	ALL	671992.3	4341177.95	3.23E-07
478	ALL	671540.6	4341238.29	4.38E-07
479	ALL	671575.3	4341177.95	3.50E-07
480	ALL	671454.7	4341196.23	4.05E-07
481	ALL	671523.5	4341116.38	3.03E-07
482	ALL	671413.2	4341126.74	3.48E-07
483	ALL	671471.1	4341064.57	2.80E-07
484	ALL	671601.6	4341050.55	3.03E-07
485	ALL	671198.6	4341253.53	4.72E-07
486	ALL	671278.5	4341212.08	4.44E-07
487	ALL	671230.3	4341132.84	3.44E-07
488	ALL	671073.1	4341271.82	4.87E-07
489	ALL	671122.5	4341373.61	7.09E-07
490	ALL	671118.8	4341397.38	7.76E-07
491	ALL	670978.4	4341324.15	6.12E-07
492	ALL	670932.9	4341394.21	7.91E-07
493	ALL	670935.2	4341367.36	7.33E-07
494	ALL	671108	4340976.17	2.74E-07
495	ALL	671286.7	4340978.51	2.54E-07
496	ALL	671675.4	4342488.78	1.21E-06
497	ALL	671091.4	4342277.23	7.98E-06
498	ALL	671051.8	4342332.07	5.87E-06
499	ALL	671051.8	4342369.2	5.32E-06
500	ALL	670953	4342360.76	4.02E-06
501	ALL	670695.7	4342235.89	2.77E-06
502	ALL	670545.5	4342318.58	2.37E-06
503	ALL	670711.7	4342488.16	1.75E-06
504	ALL	670648.3	4342501.73	1.50E-06
505	ALL	670648.3	4342630.87	1.42E-06
506	ALL	670806.3	4342728.41	1.69E-06
507	ALL	670688.2	4342739.41	1.35E-06
508	ALL	670804.9	4342427.55	2.47E-06
509	ALL	670439.5	4342471.51	1.88E-06
510	ALL	670358.4	4342578.67	1.34E-06
511	ALL	670546.6	4342662.47	1.23E-06
512	ALL	670537	4342595.15	1.23E-06
513	ALL	670483.5	4342776.5	1.09E-06
514	ALL	670508.2	4342754.52	1.13E-06
515	ALL	670517.8	4342868.54	1.08E-06
516	ALL	670545.3	4342850.69	1.11E-06
517	ALL	670582.4	4342878.16	1.13E-06

Unmitigated Cancer Risk

518	ALL	670304.9	4342688.57	1.01E-06
519	ALL	670039.7	4342661.1	1.54E-06
520	ALL	670156.5	4342673.46	1.08E-06
521	ALL	670236.2	4342648.73	1.12E-06
522	ALL	670071.3	4342738.03	9.09E-07
523	ALL	669990.2	4342753.14	8.81E-07
524	ALL	669928.4	4342742.15	8.92E-07
525	ALL	669815.8	4342673.46	1.01E-06
526	ALL	669743	4342655.6	1.01E-06
527	ALL	669791	4342744.9	7.43E-07
528	ALL	669696.3	4342731.16	7.35E-07
529	ALL	669536.9	4342552.57	8.48E-07
530	ALL	671174.9	4342280.21	8.19E-06
531	ALL	671068.4	4342169.93	1.40E-05
532	ALL	670965.7	4342179.44	9.89E-06
533	ALL	670815.5	4342198.45	3.66E-06
534	ALL	670737.6	4342097.68	2.23E-06
535	ALL	670762.3	4342069.16	2.29E-06
536	ALL	670817.4	4342040.64	2.78E-06
537	ALL	670895.4	4342025.43	3.97E-06
538	ALL	670979	4341915.15	4.87E-06
539	ALL	671115.9	4341863.81	8.92E-06
540	ALL	671199.6	4341770.65	1.40E-05
541	ALL	671222.4	4341377.07	8.67E-07
542	ALL	671714.8	4341392.28	1.08E-06
543	ALL	671366.9	4341998.81	2.19E-05
544	ALL	671226.2	4342236.48	9.21E-06
545	ALL	669098.4	4343411.59	7.99E-07
546	ALL	668908.6	4343364.56	1.04E-06
547	ALL	668851.5	4343359.52	9.68E-07
548	ALL	668831.4	4343371.27	8.44E-07
549	ALL	668733.9	4343302.41	8.82E-07
550	ALL	668686.9	4343199.95	8.74E-07
551	ALL	668671.8	4343089.09	7.54E-07
552	ALL	668806.2	4343001.74	7.78E-07
553	ALL	668918.7	4343025.26	1.01E-06
554	ALL	669024.5	4342942.95	8.11E-07
555	ALL	669288.2	4342916.08	1.01E-06
556	ALL	669333.6	4342922.8	1.55E-06
557	ALL	669365.5	4342978.23	1.47E-06
558	ALL	669337	4343151.23	1.04E-06
559	ALL	669303.4	4343304.09	9.01E-07
560	ALL	669222.7	4343235.22	1.34E-06
561	ALL	669135.4	4343305.77	1.31E-06

Mitigated Cancer Risk

3	ALL	668591.4	4340781.04	1.95E-07
4	ALL	668812.7	4340781.04	2.18E-07
5	ALL	669034	4340781.04	2.52E-07
6	ALL	669255.3	4340781.04	2.95E-07
7	ALL	669476.7	4340781.04	3.16E-07
8	ALL	669698	4340781.04	3.45E-07
9	ALL	669919.3	4340781.04	3.56E-07
10	ALL	670140.6	4340781.04	3.26E-07
11	ALL	670361.9	4340781.04	2.57E-07
12	ALL	670583.2	4340781.04	1.97E-07
13	ALL	670804.5	4340781.04	1.68E-07
14	ALL	671025.8	4340781.04	1.37E-07
15	ALL	671247.1	4340781.04	1.13E-07
16	ALL	671468.4	4340781.04	1.12E-07
17	ALL	671689.8	4340781.04	9.21E-08
18	ALL	671911.1	4340781.04	8.38E-08
19	ALL	672132.4	4340781.04	6.42E-08
20	ALL	672353.7	4340781.04	6.74E-08
21	ALL	672575	4340781.04	5.78E-08
22	ALL	668148.8	4340946	1.29E-07
23	ALL	668370.1	4340946	1.51E-07
24	ALL	668591.4	4340946	1.76E-07
25	ALL	668812.7	4340946	2.04E-07
26	ALL	669034	4340946	2.48E-07
27	ALL	669255.3	4340946	2.91E-07
28	ALL	669476.7	4340946	3.22E-07
29	ALL	669698	4340946	3.95E-07
30	ALL	669919.3	4340946	4.41E-07
31	ALL	670140.6	4340946	4.11E-07
32	ALL	670361.9	4340946	3.49E-07
33	ALL	670583.2	4340946	2.72E-07
34	ALL	670804.5	4340946	2.14E-07
35	ALL	671025.8	4340946	1.68E-07
36	ALL	671247.1	4340946	1.30E-07
37	ALL	671468.4	4340946	1.17E-07
38	ALL	671689.8	4340946	1.14E-07
39	ALL	671911.1	4340946	1.08E-07
40	ALL	672132.4	4340946	6.96E-08
41	ALL	672353.7	4340946	6.55E-08
42	ALL	672575	4340946	6.36E-08
43	ALL	668148.8	4341110.96	1.17E-07
44	ALL	668370.1	4341110.96	1.35E-07
45	ALL	668591.4	4341110.96	1.60E-07
46	ALL	668812.7	4341110.96	1.89E-07
47	ALL	669034	4341110.96	2.28E-07
48	ALL	669255.3	4341110.96	2.65E-07
49	ALL	669476.7	4341110.96	3.22E-07

Mitigated Cancer Risk

50	ALL	669698	4341110.96	4.11E-07
51	ALL	669919.3	4341110.96	4.66E-07
52	ALL	670140.6	4341110.96	5.28E-07
53	ALL	670361.9	4341110.96	4.87E-07
54	ALL	670583.2	4341110.96	3.66E-07
55	ALL	670804.5	4341110.96	2.65E-07
56	ALL	671025.8	4341110.96	1.97E-07
57	ALL	671247.1	4341110.96	1.75E-07
58	ALL	671468.4	4341110.96	1.45E-07
59	ALL	671689.8	4341110.96	1.57E-07
60	ALL	671911.1	4341110.96	1.35E-07
61	ALL	672132.4	4341110.96	7.67E-08
62	ALL	672353.7	4341110.96	6.64E-08
63	ALL	672575	4341110.96	7.46E-08
64	ALL	668148.8	4341275.92	1.08E-07
65	ALL	668370.1	4341275.92	1.23E-07
66	ALL	668591.4	4341275.92	1.44E-07
67	ALL	668812.7	4341275.92	1.74E-07
68	ALL	669034	4341275.92	2.24E-07
69	ALL	669255.3	4341275.92	2.60E-07
70	ALL	669476.7	4341275.92	3.03E-07
71	ALL	669698	4341275.92	3.80E-07
72	ALL	669919.3	4341275.92	5.13E-07
73	ALL	670140.6	4341275.92	6.61E-07
74	ALL	670361.9	4341275.92	6.66E-07
75	ALL	670583.2	4341275.92	5.06E-07
76	ALL	670804.5	4341275.92	3.51E-07
77	ALL	671025.8	4341275.92	2.67E-07
78	ALL	671247.1	4341275.92	2.67E-07
79	ALL	671468.4	4341275.92	2.59E-07
80	ALL	671689.8	4341275.92	2.37E-07
81	ALL	671911.1	4341275.92	1.75E-07
82	ALL	672132.4	4341275.92	9.97E-08
83	ALL	672353.7	4341275.92	7.77E-08
84	ALL	672575	4341275.92	9.14E-08
85	ALL	668148.8	4341440.88	1.00E-07
86	ALL	668370.1	4341440.88	1.13E-07
87	ALL	668591.4	4341440.88	1.30E-07
88	ALL	668812.7	4341440.88	1.58E-07
89	ALL	669034	4341440.88	1.97E-07
90	ALL	669255.3	4341440.88	2.17E-07
91	ALL	669476.7	4341440.88	2.70E-07
92	ALL	669698	4341440.88	3.58E-07
93	ALL	669919.3	4341440.88	5.00E-07
94	ALL	670140.6	4341440.88	7.01E-07
95	ALL	670361.9	4341440.88	8.84E-07
96	ALL	670583.2	4341440.88	7.78E-07

Mitigated Cancer Risk

97	ALL	670804.5	4341440.88	5.71E-07
98	ALL	671025.8	4341440.88	4.28E-07
99	ALL	671689.8	4341440.88	5.00E-07
100	ALL	671911.1	4341440.88	2.31E-07
101	ALL	672132.4	4341440.88	1.40E-07
102	ALL	672353.7	4341440.88	1.20E-07
103	ALL	672575	4341440.88	1.23E-07
104	ALL	668148.8	4341605.84	9.71E-08
105	ALL	668370.1	4341605.84	1.07E-07
106	ALL	668591.4	4341605.84	1.21E-07
107	ALL	668812.7	4341605.84	1.39E-07
108	ALL	669034	4341605.84	1.60E-07
109	ALL	669255.3	4341605.84	1.88E-07
110	ALL	669476.7	4341605.84	2.33E-07
111	ALL	669698	4341605.84	2.94E-07
112	ALL	669919.3	4341605.84	4.10E-07
113	ALL	670140.6	4341605.84	6.27E-07
114	ALL	670361.9	4341605.84	9.16E-07
115	ALL	670583.2	4341605.84	1.20E-06
116	ALL	670804.5	4341605.84	1.04E-06
117	ALL	671025.8	4341605.84	7.60E-07
118	ALL	671689.8	4341605.84	9.07E-07
119	ALL	671911.1	4341605.84	3.55E-07
120	ALL	672132.4	4341605.84	2.15E-07
121	ALL	672353.7	4341605.84	1.54E-07
122	ALL	672575	4341605.84	1.44E-07
123	ALL	668148.8	4341770.8	9.22E-08
124	ALL	668370.1	4341770.8	1.02E-07
125	ALL	668591.4	4341770.8	1.11E-07
126	ALL	668812.7	4341770.8	1.25E-07
127	ALL	669034	4341770.8	1.43E-07
128	ALL	669255.3	4341770.8	1.75E-07
129	ALL	669476.7	4341770.8	1.94E-07
130	ALL	669698	4341770.8	2.24E-07
131	ALL	669919.3	4341770.8	3.07E-07
132	ALL	670140.6	4341770.8	4.45E-07
133	ALL	670361.9	4341770.8	6.56E-07
134	ALL	670583.2	4341770.8	1.38E-06
135	ALL	670804.5	4341770.8	1.60E-06
136	ALL	671025.8	4341770.8	1.35E-06
137	ALL	671689.8	4341770.8	9.83E-07
138	ALL	671911.1	4341770.8	4.55E-07
139	ALL	672132.4	4341770.8	2.39E-07
140	ALL	672353.7	4341770.8	1.56E-07
141	ALL	672575	4341770.8	1.59E-07
142	ALL	668148.8	4341935.76	8.76E-08
143	ALL	668370.1	4341935.76	9.64E-08

Mitigated Cancer Risk

144	ALL	668591.4	4341935.76	1.06E-07
145	ALL	668812.7	4341935.76	1.18E-07
146	ALL	669034	4341935.76	1.36E-07
147	ALL	669255.3	4341935.76	1.47E-07
148	ALL	669476.7	4341935.76	1.59E-07
149	ALL	669698	4341935.76	2.06E-07
150	ALL	669919.3	4341935.76	2.49E-07
151	ALL	670140.6	4341935.76	3.17E-07
152	ALL	670361.9	4341935.76	4.61E-07
153	ALL	670583.2	4341935.76	7.67E-07
154	ALL	670804.5	4341935.76	1.77E-06
155	ALL	671468.4	4341935.76	2.73E-06
156	ALL	671689.8	4341935.76	9.25E-07
157	ALL	671911.1	4341935.76	4.73E-07
158	ALL	672132.4	4341935.76	2.60E-07
159	ALL	672353.7	4341935.76	1.64E-07
160	ALL	672575	4341935.76	1.51E-07
161	ALL	668148.8	4342100.72	8.96E-08
162	ALL	668370.1	4342100.72	9.92E-08
163	ALL	668591.4	4342100.72	1.07E-07
164	ALL	668812.7	4342100.72	1.17E-07
165	ALL	669034	4342100.72	1.34E-07
166	ALL	669255.3	4342100.72	1.47E-07
167	ALL	669476.7	4342100.72	1.49E-07
168	ALL	669698	4342100.72	1.80E-07
169	ALL	669919.3	4342100.72	2.25E-07
170	ALL	670140.6	4342100.72	2.98E-07
171	ALL	670361.9	4342100.72	3.56E-07
172	ALL	670583.2	4342100.72	7.06E-07
173	ALL	671468.4	4342100.72	1.75E-06
174	ALL	671689.8	4342100.72	7.94E-07
175	ALL	671911.1	4342100.72	4.49E-07
176	ALL	672132.4	4342100.72	2.72E-07
177	ALL	672353.7	4342100.72	1.76E-07
178	ALL	672575	4342100.72	1.50E-07
179	ALL	668148.8	4342265.68	9.71E-08
180	ALL	668370.1	4342265.68	1.07E-07
181	ALL	668591.4	4342265.68	1.13E-07
182	ALL	668812.7	4342265.68	1.22E-07
183	ALL	669034	4342265.68	1.33E-07
184	ALL	669255.3	4342265.68	1.48E-07
185	ALL	669476.7	4342265.68	1.68E-07
186	ALL	669698	4342265.68	1.97E-07
187	ALL	669919.3	4342265.68	2.34E-07
188	ALL	670140.6	4342265.68	2.86E-07
189	ALL	670361.9	4342265.68	4.40E-07
190	ALL	670583.2	4342265.68	1.02E-06

Mitigated Cancer Risk

191	ALL	670804.5	4342265.68	1.56E-06
192	ALL	671025.8	4342265.68	3.73E-06
193	ALL	671247.1	4342265.68	3.04E-06
194	ALL	671468.4	4342265.68	1.28E-06
195	ALL	671689.8	4342265.68	6.68E-07
196	ALL	671911.1	4342265.68	3.96E-07
197	ALL	672132.4	4342265.68	2.65E-07
198	ALL	672353.7	4342265.68	1.86E-07
199	ALL	672575	4342265.68	1.62E-07
200	ALL	668148.8	4342430.64	9.95E-08
201	ALL	668370.1	4342430.64	1.15E-07
202	ALL	668591.4	4342430.64	1.26E-07
203	ALL	668812.7	4342430.64	1.42E-07
204	ALL	669034	4342430.64	1.58E-07
205	ALL	669255.3	4342430.64	1.74E-07
206	ALL	669476.7	4342430.64	1.92E-07
207	ALL	669698	4342430.64	2.36E-07
208	ALL	669919.3	4342430.64	2.67E-07
209	ALL	670140.6	4342430.64	3.90E-07
210	ALL	670361.9	4342430.64	8.89E-07
211	ALL	670583.2	4342430.64	7.64E-07
212	ALL	670804.5	4342430.64	1.41E-06
213	ALL	671025.8	4342430.64	2.72E-06
214	ALL	671247.1	4342430.64	1.90E-06
215	ALL	671468.4	4342430.64	9.33E-07
216	ALL	671689.8	4342430.64	5.25E-07
217	ALL	671911.1	4342430.64	3.27E-07
218	ALL	672132.4	4342430.64	2.34E-07
219	ALL	672353.7	4342430.64	1.90E-07
220	ALL	672575	4342430.64	1.56E-07
221	ALL	668148.8	4342595.6	1.09E-07
222	ALL	668370.1	4342595.6	1.26E-07
223	ALL	668591.4	4342595.6	1.47E-07
224	ALL	668812.7	4342595.6	1.71E-07
225	ALL	669034	4342595.6	1.94E-07
226	ALL	669255.3	4342595.6	2.15E-07
227	ALL	669476.7	4342595.6	3.46E-07
228	ALL	669698	4342595.6	5.90E-07
229	ALL	669919.3	4342595.6	5.94E-07
230	ALL	670140.6	4342595.6	6.83E-07
231	ALL	670361.9	4342595.6	6.21E-07
232	ALL	670583.2	4342595.6	8.42E-07
233	ALL	670804.5	4342595.6	1.25E-06
234	ALL	671025.8	4342595.6	1.78E-06
235	ALL	671247.1	4342595.6	1.36E-06
236	ALL	671468.4	4342595.6	7.06E-07
237	ALL	671689.8	4342595.6	3.95E-07

238	ALL	671911.1	4342595.6	2.61E-07
239	ALL	672132.4	4342595.6	1.97E-07
240	ALL	672353.7	4342595.6	1.64E-07
241	ALL	672575	4342595.6	1.44E-07
242	ALL	668148.8	4342760.56	1.21E-07
243	ALL	668370.1	4342760.56	1.52E-07
244	ALL	668591.4	4342760.56	1.81E-07
245	ALL	668812.7	4342760.56	2.23E-07
246	ALL	669034	4342760.56	2.36E-07
247	ALL	669255.3	4342760.56	2.56E-07
248	ALL	669476.7	4342760.56	5.82E-07
249	ALL	669698	4342760.56	3.18E-07
250	ALL	669919.3	4342760.56	3.78E-07
251	ALL	670140.6	4342760.56	4.24E-07
252	ALL	670361.9	4342760.56	5.72E-07
253	ALL	670583.2	4342760.56	8.05E-07
254	ALL	670804.5	4342760.56	1.10E-06
255	ALL	671025.8	4342760.56	1.16E-06
256	ALL	671247.1	4342760.56	9.18E-07
257	ALL	671468.4	4342760.56	5.78E-07
258	ALL	671689.8	4342760.56	3.44E-07
259	ALL	671911.1	4342760.56	2.12E-07
260	ALL	672132.4	4342760.56	1.70E-07
261	ALL	672353.7	4342760.56	1.43E-07
262	ALL	672575	4342760.56	1.17E-07
263	ALL	668148.8	4342925.52	1.31E-07
264	ALL	668370.1	4342925.52	1.70E-07
265	ALL	668591.4	4342925.52	2.45E-07
266	ALL	668812.7	4342925.52	3.41E-07
267	ALL	669034	4342925.52	5.30E-07
268	ALL	669476.7	4342925.52	4.30E-07
269	ALL	669698	4342925.52	3.09E-07
270	ALL	669919.3	4342925.52	3.40E-07
271	ALL	670140.6	4342925.52	4.35E-07
272	ALL	670361.9	4342925.52	5.72E-07
273	ALL	670583.2	4342925.52	7.91E-07
274	ALL	670804.5	4342925.52	8.54E-07
275	ALL	671025.8	4342925.52	7.73E-07
276	ALL	671247.1	4342925.52	6.84E-07
277	ALL	671468.4	4342925.52	4.49E-07
278	ALL	671689.8	4342925.52	2.90E-07
279	ALL	671911.1	4342925.52	1.88E-07
280	ALL	672132.4	4342925.52	1.31E-07
281	ALL	672353.7	4342925.52	1.22E-07
282	ALL	672575	4342925.52	1.02E-07
283	ALL	668148.8	4343090.48	1.30E-07
284	ALL	668370.1	4343090.48	1.71E-07

Mitigated Cancer Risk

285	ALL	668591.4	4343090.48	3.12E-07
286	ALL	669476.7	4343090.48	3.70E-07
287	ALL	669698	4343090.48	3.11E-07
288	ALL	669919.3	4343090.48	3.67E-07
289	ALL	670140.6	4343090.48	4.47E-07
290	ALL	670361.9	4343090.48	6.03E-07
291	ALL	670583.2	4343090.48	6.35E-07
292	ALL	670804.5	4343090.48	6.53E-07
293	ALL	671025.8	4343090.48	5.76E-07
294	ALL	671247.1	4343090.48	5.22E-07
295	ALL	671468.4	4343090.48	3.69E-07
296	ALL	671689.8	4343090.48	2.47E-07
297	ALL	671911.1	4343090.48	1.66E-07
298	ALL	672132.4	4343090.48	1.20E-07
299	ALL	672353.7	4343090.48	8.81E-08
300	ALL	672575	4343090.48	8.22E-08
301	ALL	668148.8	4343255.44	1.29E-07
302	ALL	668370.1	4343255.44	1.71E-07
303	ALL	668591.4	4343255.44	3.40E-07
304	ALL	669476.7	4343255.44	3.56E-07
305	ALL	669698	4343255.44	4.99E-07
306	ALL	669919.3	4343255.44	4.96E-07
307	ALL	670140.6	4343255.44	5.62E-07
308	ALL	670361.9	4343255.44	5.11E-07
309	ALL	670583.2	4343255.44	4.83E-07
310	ALL	670804.5	4343255.44	5.25E-07
311	ALL	671025.8	4343255.44	4.55E-07
312	ALL	671247.1	4343255.44	4.03E-07
313	ALL	671468.4	4343255.44	3.14E-07
314	ALL	671689.8	4343255.44	2.14E-07
315	ALL	671911.1	4343255.44	1.48E-07
316	ALL	672132.4	4343255.44	1.08E-07
317	ALL	672353.7	4343255.44	8.25E-08
318	ALL	672575	4343255.44	6.31E-08
319	ALL	668148.8	4343420.4	1.23E-07
320	ALL	668370.1	4343420.4	1.65E-07
321	ALL	668591.4	4343420.4	3.00E-07
322	ALL	668812.7	4343420.4	6.23E-07
323	ALL	669034	4343420.4	7.47E-07
324	ALL	669255.3	4343420.4	4.95E-07
325	ALL	669476.7	4343420.4	4.11E-07
326	ALL	669698	4343420.4	3.33E-07
327	ALL	669919.3	4343420.4	3.64E-07
328	ALL	670140.6	4343420.4	3.68E-07
329	ALL	670361.9	4343420.4	3.84E-07
330	ALL	670583.2	4343420.4	3.96E-07
331	ALL	670804.5	4343420.4	4.29E-07

Mitigated Cancer Risk

332	ALL	671025.8	4343420.4	4.00E-07
333	ALL	671247.1	4343420.4	3.53E-07
334	ALL	671468.4	4343420.4	2.61E-07
335	ALL	671689.8	4343420.4	1.90E-07
336	ALL	671911.1	4343420.4	1.34E-07
337	ALL	672132.4	4343420.4	9.78E-08
338	ALL	672353.7	4343420.4	7.42E-08
339	ALL	672575	4343420.4	5.83E-08
340	ALL	668148.8	4343585.36	1.21E-07
341	ALL	668370.1	4343585.36	1.58E-07
342	ALL	668591.4	4343585.36	2.37E-07
343	ALL	668812.7	4343585.36	3.93E-07
344	ALL	669034	4343585.36	4.29E-07
345	ALL	669255.3	4343585.36	3.36E-07
346	ALL	669476.7	4343585.36	2.86E-07
347	ALL	669698	4343585.36	2.83E-07
348	ALL	669919.3	4343585.36	2.94E-07
349	ALL	670140.6	4343585.36	3.10E-07
350	ALL	670361.9	4343585.36	3.23E-07
351	ALL	670583.2	4343585.36	3.36E-07
352	ALL	670804.5	4343585.36	3.47E-07
353	ALL	671025.8	4343585.36	3.43E-07
354	ALL	671247.1	4343585.36	2.96E-07
355	ALL	671468.4	4343585.36	2.35E-07
356	ALL	671689.8	4343585.36	1.81E-07
357	ALL	671911.1	4343585.36	1.28E-07
358	ALL	672132.4	4343585.36	9.45E-08
359	ALL	672353.7	4343585.36	7.01E-08
360	ALL	672575	4343585.36	5.55E-08
361	ALL	668148.8	4343750.32	1.22E-07
362	ALL	668370.1	4343750.32	1.53E-07
363	ALL	668591.4	4343750.32	2.18E-07
364	ALL	668812.7	4343750.32	2.94E-07
365	ALL	669034	4343750.32	3.09E-07
366	ALL	669255.3	4343750.32	2.78E-07
367	ALL	669476.7	4343750.32	2.53E-07
368	ALL	669698	4343750.32	2.53E-07
369	ALL	669919.3	4343750.32	2.62E-07
370	ALL	670140.6	4343750.32	2.73E-07
371	ALL	670361.9	4343750.32	2.85E-07
372	ALL	670583.2	4343750.32	2.87E-07
373	ALL	670804.5	4343750.32	2.89E-07
374	ALL	671025.8	4343750.32	2.81E-07
375	ALL	671247.1	4343750.32	2.60E-07
376	ALL	671468.4	4343750.32	2.24E-07
377	ALL	671689.8	4343750.32	1.85E-07
378	ALL	671911.1	4343750.32	1.41E-07

Mitigated Cancer Risk

379	ALL	672132.4	4343750.32	9.80E-08
380	ALL	672353.7	4343750.32	6.94E-08
381	ALL	672575	4343750.32	5.48E-08
382	ALL	668148.8	4343915.28	1.21E-07
383	ALL	668370.1	4343915.28	1.52E-07
384	ALL	668591.4	4343915.28	1.97E-07
385	ALL	668812.7	4343915.28	2.44E-07
386	ALL	669034	4343915.28	2.61E-07
387	ALL	669255.3	4343915.28	2.50E-07
388	ALL	669476.7	4343915.28	2.35E-07
389	ALL	669698	4343915.28	2.31E-07
390	ALL	669919.3	4343915.28	2.36E-07
391	ALL	670140.6	4343915.28	2.44E-07
392	ALL	670361.9	4343915.28	2.48E-07
393	ALL	670583.2	4343915.28	2.53E-07
394	ALL	670804.5	4343915.28	2.52E-07
395	ALL	671025.8	4343915.28	2.46E-07
396	ALL	671247.1	4343915.28	2.22E-07
397	ALL	671468.4	4343915.28	1.94E-07
398	ALL	671689.8	4343915.28	1.60E-07
399	ALL	671911.1	4343915.28	1.27E-07
400	ALL	672132.4	4343915.28	1.01E-07
401	ALL	672353.7	4343915.28	7.59E-08
402	ALL	672575	4343915.28	5.82E-08
403	ALL	668148.8	4344080.24	1.22E-07
404	ALL	668370.1	4344080.24	1.49E-07
405	ALL	668591.4	4344080.24	1.83E-07
406	ALL	668812.7	4344080.24	2.16E-07
407	ALL	669034	4344080.24	2.32E-07
408	ALL	669255.3	4344080.24	2.31E-07
409	ALL	669476.7	4344080.24	2.15E-07
410	ALL	669698	4344080.24	2.12E-07
411	ALL	669919.3	4344080.24	2.15E-07
412	ALL	670140.6	4344080.24	2.27E-07
413	ALL	670361.9	4344080.24	2.20E-07
414	ALL	670583.2	4344080.24	2.23E-07
415	ALL	670804.5	4344080.24	2.25E-07
416	ALL	671025.8	4344080.24	2.10E-07
417	ALL	671247.1	4344080.24	1.97E-07
418	ALL	671468.4	4344080.24	1.76E-07
419	ALL	671689.8	4344080.24	1.40E-07
420	ALL	671911.1	4344080.24	1.06E-07
421	ALL	672132.4	4344080.24	8.11E-08
422	ALL	672353.7	4344080.24	6.58E-08
423	ALL	672575	4344080.24	5.19E-08
424	ALL	671464.7	4342094.27	1.81E-06
425	ALL	671482.2	4342063.91	1.80E-06

Mitigated Cancer Risk

426	ALL	671498.6	4342030.05	1.78E-06
427	ALL	671513.8	4341991.52	1.80E-06
428	ALL	671541.8	4341964.66	1.66E-06
429	ALL	671575.6	4341974	1.36E-06
430	ALL	671460.8	4342162.97	1.58E-06
431	ALL	671451	4342187.35	1.56E-06
432	ALL	671510.7	4342219.66	1.19E-06
433	ALL	671524.1	4342192.84	1.19E-06
434	ALL	671522.9	4342250.74	1.09E-06
435	ALL	671599.1	4342252.57	8.65E-07
436	ALL	671627.8	4342256.84	7.95E-07
437	ALL	671583.9	4342116.03	1.04E-06
438	ALL	671595.5	4342071.54	1.06E-06
439	ALL	671663.1	4342056.3	8.87E-07
440	ALL	671600.9	4342030.09	1.12E-06
441	ALL	671526.6	4342155.65	1.23E-06
442	ALL	671629	4342292.19	7.53E-07
443	ALL	671641.8	4341980.71	1.03E-06
444	ALL	671666.8	4342018.51	9.16E-07
445	ALL	671407.1	4342219.66	1.74E-06
446	ALL	671415.6	4342183.08	1.84E-06
447	ALL	671635.1	4341706.42	1.37E-06
448	ALL	671693.6	4341710.08	9.64E-07
449	ALL	671719.8	4341736.29	8.75E-07
450	ALL	671673.5	4341630.23	1.02E-06
451	ALL	671888	4341936.22	5.06E-07
452	ALL	671977.6	4341952.07	3.94E-07
453	ALL	672039.2	4341894.77	3.25E-07
454	ALL	671858.2	4341753.96	5.46E-07
455	ALL	671922.8	4341634.49	3.64E-07
456	ALL	671613.7	4341791.15	1.50E-06
457	ALL	671853.3	4341730.8	5.40E-07
458	ALL	671783.8	4341585.73	5.61E-07
459	ALL	671783.2	4341546.72	5.09E-07
460	ALL	671769.2	4341461.38	4.20E-07
461	ALL	671800.9	4341420.54	3.29E-07
462	ALL	671880.1	4341427.25	2.45E-07
463	ALL	672012.4	4341504.66	2.01E-07
464	ALL	672084.3	4341547.94	2.06E-07
465	ALL	671915.5	4341478.45	2.50E-07
466	ALL	671903.3	4341564.4	3.28E-07
467	ALL	671863.1	4341522.34	3.34E-07
468	ALL	671830.1	4341336.43	2.46E-07
469	ALL	671835.6	4341287.66	2.21E-07
470	ALL	671825.9	4341275.47	2.20E-07
471	ALL	672136.7	4341370.56	1.15E-07
472	ALL	671920.3	4341307.17	1.74E-07

Mitigated Cancer Risk

473	ALL	671695.4	4341257.19	2.22E-07
474	ALL	671682	4341176.12	1.77E-07
475	ALL	671991.7	4341196.23	1.38E-07
476	ALL	672022.1	4341231.59	1.31E-07
477	ALL	671992.3	4341177.95	1.30E-07
478	ALL	671540.6	4341238.29	1.89E-07
479	ALL	671575.3	4341177.95	1.56E-07
480	ALL	671454.7	4341196.23	1.86E-07
481	ALL	671523.5	4341116.38	1.39E-07
482	ALL	671413.2	4341126.74	1.71E-07
483	ALL	671471.1	4341064.57	1.35E-07
484	ALL	671601.6	4341050.55	1.35E-07
485	ALL	671198.6	4341253.53	2.37E-07
486	ALL	671278.5	4341212.08	2.24E-07
487	ALL	671230.3	4341132.84	1.78E-07
488	ALL	671073.1	4341271.82	2.52E-07
489	ALL	671122.5	4341373.61	3.50E-07
490	ALL	671118.8	4341397.38	3.78E-07
491	ALL	670978.4	4341324.15	3.22E-07
492	ALL	670932.9	4341394.21	4.14E-07
493	ALL	670935.2	4341367.36	3.85E-07
494	ALL	671108	4340976.17	1.55E-07
495	ALL	671286.7	4340978.51	1.35E-07
496	ALL	671675.4	4342488.78	4.89E-07
497	ALL	671091.4	4342277.23	4.59E-06
498	ALL	671051.8	4342332.07	3.52E-06
499	ALL	671051.8	4342369.2	3.19E-06
500	ALL	670953	4342360.76	2.36E-06
501	ALL	670695.7	4342235.89	1.21E-06
502	ALL	670545.5	4342318.58	9.49E-07
503	ALL	670711.7	4342488.16	1.05E-06
504	ALL	670648.3	4342501.73	9.04E-07
505	ALL	670648.3	4342630.87	9.69E-07
506	ALL	670806.3	4342728.41	1.11E-06
507	ALL	670688.2	4342739.41	9.19E-07
508	ALL	670804.9	4342427.55	1.41E-06
509	ALL	670439.5	4342471.51	7.89E-07
510	ALL	670358.4	4342578.67	6.29E-07
511	ALL	670546.6	4342662.47	7.72E-07
512	ALL	670537	4342595.15	7.45E-07
513	ALL	670483.5	4342776.5	6.96E-07
514	ALL	670508.2	4342754.52	7.25E-07
515	ALL	670517.8	4342868.54	6.96E-07
516	ALL	670545.3	4342850.69	7.25E-07
517	ALL	670582.4	4342878.16	7.42E-07
518	ALL	670304.9	4342688.57	5.27E-07
519	ALL	670039.7	4342661.1	5.83E-07

Mitigated Cancer Risk

520	ALL	670156.5	4342673.46	4.93E-07
521	ALL	670236.2	4342648.73	5.33E-07
522	ALL	670071.3	4342738.03	4.40E-07
523	ALL	669990.2	4342753.14	4.09E-07
524	ALL	669928.4	4342742.15	3.95E-07
525	ALL	669815.8	4342673.46	4.07E-07
526	ALL	669743	4342655.6	4.01E-07
527	ALL	669791	4342744.9	3.38E-07
528	ALL	669696.3	4342731.16	3.28E-07
529	ALL	669536.9	4342552.57	3.46E-07
530	ALL	671174.9	4342280.21	4.00E-06
531	ALL	671068.4	4342169.93	7.78E-06
532	ALL	670965.7	4342179.44	4.12E-06
533	ALL	670815.5	4342198.45	1.66E-06
534	ALL	670737.6	4342097.68	1.07E-06
535	ALL	670762.3	4342069.16	1.15E-06
536	ALL	670817.4	4342040.64	1.45E-06
537	ALL	670895.4	4342025.43	2.09E-06
538	ALL	670979	4341915.15	2.35E-06
539	ALL	671115.9	4341863.81	2.67E-06
540	ALL	671199.6	4341770.65	3.57E-06
541	ALL	671222.4	4341377.07	3.97E-07
542	ALL	671714.8	4341392.28	3.69E-07
543	ALL	671366.9	4341998.81	5.15E-06
544	ALL	671226.2	4342236.48	3.57E-06
545	ALL	669098.4	4343411.59	7.20E-07
546	ALL	668908.6	4343364.56	9.78E-07
547	ALL	668851.5	4343359.52	9.11E-07
548	ALL	668831.4	4343371.27	7.88E-07
549	ALL	668733.9	4343302.41	8.30E-07
550	ALL	668686.9	4343199.95	8.23E-07
551	ALL	668671.8	4343089.09	7.03E-07
552	ALL	668806.2	4343001.74	7.19E-07
553	ALL	668918.7	4343025.26	9.38E-07
554	ALL	669024.5	4342942.95	7.27E-07
555	ALL	669288.2	4342916.08	6.43E-07
556	ALL	669333.6	4342922.8	7.16E-07
557	ALL	669365.5	4342978.23	8.53E-07
558	ALL	669337	4343151.23	8.65E-07
559	ALL	669303.4	4343304.09	7.76E-07
560	ALL	669222.7	4343235.22	1.22E-06
561	ALL	669135.4	4343305.77	1.21E-06

Unmitigated Chronic Risk

REC	GRP	X	Y	MAXHI
1	ALL	668148.79	4340781.04	6.61E-03
2	ALL	668370.1	4340781.04	7.88E-03
3	ALL	668591.41	4340781.04	9.16E-03
4	ALL	668812.72	4340781.04	1.03E-02
5	ALL	669034.03	4340781.04	1.20E-02
6	ALL	669255.34	4340781.04	1.40E-02
7	ALL	669476.65	4340781.04	1.51E-02
8	ALL	669697.96	4340781.04	1.64E-02
9	ALL	669919.27	4340781.04	1.68E-02
10	ALL	670140.58	4340781.04	1.44E-02
11	ALL	670361.89	4340781.04	1.03E-02
12	ALL	670583.2	4340781.04	7.14E-03
13	ALL	670804.51	4340781.04	6.21E-03
14	ALL	671025.82	4340781.04	4.97E-03
15	ALL	671247.13	4340781.04	3.95E-03
16	ALL	671468.44	4340781.04	3.89E-03
17	ALL	671689.75	4340781.04	2.94E-03
18	ALL	671911.06	4340781.04	2.70E-03
19	ALL	672132.37	4340781.04	1.96E-03
20	ALL	672353.68	4340781.04	2.18E-03
21	ALL	672574.99	4340781.04	1.87E-03
22	ALL	668148.79	4340946	5.93E-03
23	ALL	668370.1	4340946	7.09E-03
24	ALL	668591.41	4340946	8.37E-03
25	ALL	668812.72	4340946	9.78E-03
26	ALL	669034.03	4340946	1.20E-02
27	ALL	669255.34	4340946	1.41E-02
28	ALL	669476.65	4340946	1.57E-02
29	ALL	669697.96	4340946	1.89E-02
30	ALL	669919.27	4340946	2.12E-02
31	ALL	670140.58	4340946	1.94E-02
32	ALL	670361.89	4340946	1.50E-02
33	ALL	670583.2	4340946	1.05E-02
34	ALL	670804.51	4340946	7.66E-03
35	ALL	671025.82	4340946	5.87E-03
36	ALL	671247.13	4340946	4.43E-03
37	ALL	671468.44	4340946	3.85E-03
38	ALL	671689.75	4340946	3.52E-03
39	ALL	671911.06	4340946	3.32E-03
40	ALL	672132.37	4340946	2.13E-03
41	ALL	672353.68	4340946	2.02E-03
42	ALL	672574.99	4340946	1.94E-03
43	ALL	668148.79	4341110.96	5.40E-03
44	ALL	668370.1	4341110.96	6.28E-03
45	ALL	668591.41	4341110.96	7.65E-03
46	ALL	668812.72	4341110.96	9.13E-03

Unmitigated Chronic Risk

47	ALL	669034.03	4341110.96	1.11E-02
48	ALL	669255.34	4341110.96	1.31E-02
49	ALL	669476.65	4341110.96	1.61E-02
50	ALL	669697.96	4341110.96	2.02E-02
51	ALL	669919.27	4341110.96	2.30E-02
52	ALL	670140.58	4341110.96	2.56E-02
53	ALL	670361.89	4341110.96	2.15E-02
54	ALL	670583.2	4341110.96	1.35E-02
55	ALL	670804.51	4341110.96	8.90E-03
56	ALL	671025.82	4341110.96	6.56E-03
57	ALL	671247.13	4341110.96	5.74E-03
58	ALL	671468.44	4341110.96	4.38E-03
59	ALL	671689.75	4341110.96	4.70E-03
60	ALL	671911.06	4341110.96	3.95E-03
61	ALL	672132.37	4341110.96	2.25E-03
62	ALL	672353.68	4341110.96	1.92E-03
63	ALL	672574.99	4341110.96	2.17E-03
64	ALL	668148.79	4341275.92	4.94E-03
65	ALL	668370.1	4341275.92	5.75E-03
66	ALL	668591.41	4341275.92	6.89E-03
67	ALL	668812.72	4341275.92	8.47E-03
68	ALL	669034.03	4341275.92	1.09E-02
69	ALL	669255.34	4341275.92	1.30E-02
70	ALL	669476.65	4341275.92	1.55E-02
71	ALL	669697.96	4341275.92	1.95E-02
72	ALL	669919.27	4341275.92	2.66E-02
73	ALL	670140.58	4341275.92	3.13E-02
74	ALL	670361.89	4341275.92	2.91E-02
75	ALL	670583.2	4341275.92	1.87E-02
76	ALL	670804.51	4341275.92	1.13E-02
77	ALL	671025.82	4341275.92	8.35E-03
78	ALL	671247.13	4341275.92	8.04E-03
79	ALL	671468.44	4341275.92	6.94E-03
80	ALL	671689.75	4341275.92	6.33E-03
81	ALL	671911.06	4341275.92	4.89E-03
82	ALL	672132.37	4341275.92	2.71E-03
83	ALL	672353.68	4341275.92	2.11E-03
84	ALL	672574.99	4341275.92	2.65E-03
85	ALL	668148.79	4341440.88	4.51E-03
86	ALL	668370.1	4341440.88	5.24E-03
87	ALL	668591.41	4341440.88	6.18E-03
88	ALL	668812.72	4341440.88	7.68E-03
89	ALL	669034.03	4341440.88	9.66E-03
90	ALL	669255.34	4341440.88	1.11E-02
91	ALL	669476.65	4341440.88	1.40E-02
92	ALL	669697.96	4341440.88	1.87E-02
93	ALL	669919.27	4341440.88	2.60E-02

Unmitigated Chronic Risk

94	ALL	670140.58	4341440.88	3.30E-02
95	ALL	670361.89	4341440.88	3.98E-02
96	ALL	670583.2	4341440.88	3.14E-02
97	ALL	670804.51	4341440.88	1.92E-02
98	ALL	671025.82	4341440.88	1.27E-02
99	ALL	671689.75	4341440.88	1.00E-02
100	ALL	671911.06	4341440.88	5.56E-03
101	ALL	672132.37	4341440.88	3.56E-03
102	ALL	672353.68	4341440.88	3.30E-03
103	ALL	672574.99	4341440.88	3.42E-03
104	ALL	668148.79	4341605.84	4.30E-03
105	ALL	668370.1	4341605.84	4.93E-03
106	ALL	668591.41	4341605.84	5.71E-03
107	ALL	668812.72	4341605.84	6.74E-03
108	ALL	669034.03	4341605.84	7.95E-03
109	ALL	669255.34	4341605.84	9.62E-03
110	ALL	669476.65	4341605.84	1.23E-02
111	ALL	669697.96	4341605.84	1.60E-02
112	ALL	669919.27	4341605.84	2.07E-02
113	ALL	670140.58	4341605.84	3.05E-02
114	ALL	670361.89	4341605.84	4.21E-02
115	ALL	670583.2	4341605.84	5.34E-02
116	ALL	670804.51	4341605.84	4.25E-02
117	ALL	671025.82	4341605.84	2.23E-02
118	ALL	671689.75	4341605.84	1.59E-02
119	ALL	671911.06	4341605.84	7.98E-03
120	ALL	672132.37	4341605.84	5.53E-03
121	ALL	672353.68	4341605.84	4.21E-03
122	ALL	672574.99	4341605.84	4.04E-03
123	ALL	668148.79	4341770.8	3.94E-03
124	ALL	668370.1	4341770.8	4.60E-03
125	ALL	668591.41	4341770.8	5.11E-03
126	ALL	668812.72	4341770.8	5.95E-03
127	ALL	669034.03	4341770.8	7.06E-03
128	ALL	669255.34	4341770.8	8.84E-03
129	ALL	669476.65	4341770.8	1.04E-02
130	ALL	669697.96	4341770.8	1.15E-02
131	ALL	669919.27	4341770.8	1.45E-02
132	ALL	670140.58	4341770.8	2.04E-02
133	ALL	670361.89	4341770.8	3.00E-02
134	ALL	670583.2	4341770.8	6.66E-02
135	ALL	670804.51	4341770.8	1.00E-01
136	ALL	671025.82	4341770.8	6.49E-02
137	ALL	671689.75	4341770.8	1.84E-02
138	ALL	671911.06	4341770.8	1.09E-02
139	ALL	672132.37	4341770.8	6.22E-03
140	ALL	672353.68	4341770.8	4.28E-03

Unmitigated Chronic Risk

141	ALL	672574.99	4341770.8	4.54E-03
142	ALL	668148.79	4341935.76	3.66E-03
143	ALL	668370.1	4341935.76	4.14E-03
144	ALL	668591.41	4341935.76	4.78E-03
145	ALL	668812.72	4341935.76	5.59E-03
146	ALL	669034.03	4341935.76	6.64E-03
147	ALL	669255.34	4341935.76	7.55E-03
148	ALL	669476.65	4341935.76	7.96E-03
149	ALL	669697.96	4341935.76	9.08E-03
150	ALL	669919.27	4341935.76	1.03E-02
151	ALL	670140.58	4341935.76	1.32E-02
152	ALL	670361.89	4341935.76	1.98E-02
153	ALL	670583.2	4341935.76	4.30E-02
154	ALL	670804.51	4341935.76	1.32E-01
155	ALL	671468.44	4341935.76	5.11E-02
156	ALL	671689.75	4341935.76	2.18E-02
157	ALL	671911.06	4341935.76	1.26E-02
158	ALL	672132.37	4341935.76	7.34E-03
159	ALL	672353.68	4341935.76	4.78E-03
160	ALL	672574.99	4341935.76	4.57E-03
161	ALL	668148.79	4342100.72	3.63E-03
162	ALL	668370.1	4342100.72	4.15E-03
163	ALL	668591.41	4342100.72	4.79E-03
164	ALL	668812.72	4342100.72	5.46E-03
165	ALL	669034.03	4342100.72	6.46E-03
166	ALL	669255.34	4342100.72	7.43E-03
167	ALL	669476.65	4342100.72	7.38E-03
168	ALL	669697.96	4342100.72	8.46E-03
169	ALL	669919.27	4342100.72	1.02E-02
170	ALL	670140.58	4342100.72	1.22E-02
171	ALL	670361.89	4342100.72	2.25E-02
172	ALL	670583.2	4342100.72	4.75E-02
173	ALL	671468.44	4342100.72	4.87E-02
174	ALL	671689.75	4342100.72	2.27E-02
175	ALL	671911.06	4342100.72	1.33E-02
176	ALL	672132.37	4342100.72	8.22E-03
177	ALL	672353.68	4342100.72	5.40E-03
178	ALL	672574.99	4342100.72	4.66E-03
179	ALL	668148.79	4342265.68	3.76E-03
180	ALL	668370.1	4342265.68	4.28E-03
181	ALL	668591.41	4342265.68	4.69E-03
182	ALL	668812.72	4342265.68	5.35E-03
183	ALL	669034.03	4342265.68	6.10E-03
184	ALL	669255.34	4342265.68	7.28E-03
185	ALL	669476.65	4342265.68	8.80E-03
186	ALL	669697.96	4342265.68	1.12E-02
187	ALL	669919.27	4342265.68	1.44E-02

Unmitigated Chronic Risk

188	ALL	670140.58	4342265.68	1.87E-02
189	ALL	670361.89	4342265.68	2.91E-02
190	ALL	670583.2	4342265.68	5.08E-02
191	ALL	670804.51	4342265.68	1.12E-01
192	ALL	671025.82	4342265.68	2.30E-01
193	ALL	671247.13	4342265.68	1.29E-01
194	ALL	671468.44	4342265.68	3.88E-02
195	ALL	671689.75	4342265.68	2.04E-02
196	ALL	671911.06	4342265.68	1.24E-02
197	ALL	672132.37	4342265.68	8.40E-03
198	ALL	672353.68	4342265.68	5.85E-03
199	ALL	672574.99	4342265.68	5.03E-03
200	ALL	668148.79	4342430.64	3.82E-03
201	ALL	668370.1	4342430.64	4.40E-03
202	ALL	668591.41	4342430.64	4.81E-03
203	ALL	668812.72	4342430.64	5.44E-03
204	ALL	669034.03	4342430.64	6.18E-03
205	ALL	669255.34	4342430.64	7.21E-03
206	ALL	669476.65	4342430.64	8.94E-03
207	ALL	669697.96	4342430.64	1.10E-02
208	ALL	669919.27	4342430.64	1.44E-02
209	ALL	670140.58	4342430.64	1.95E-02
210	ALL	670361.89	4342430.64	3.02E-02
211	ALL	670583.2	4342430.64	4.83E-02
212	ALL	670804.51	4342430.64	8.45E-02
213	ALL	671025.82	4342430.64	1.28E-01
214	ALL	671247.13	4342430.64	7.40E-02
215	ALL	671468.44	4342430.64	2.95E-02
216	ALL	671689.75	4342430.64	1.62E-02
217	ALL	671911.06	4342430.64	1.02E-02
218	ALL	672132.37	4342430.64	7.52E-03
219	ALL	672353.68	4342430.64	6.06E-03
220	ALL	672574.99	4342430.64	4.86E-03
221	ALL	668148.79	4342595.6	4.10E-03
222	ALL	668370.1	4342595.6	4.58E-03
223	ALL	668591.41	4342595.6	5.17E-03
224	ALL	668812.72	4342595.6	5.91E-03
225	ALL	669034.03	4342595.6	6.74E-03
226	ALL	669255.34	4342595.6	7.87E-03
227	ALL	669476.65	4342595.6	9.61E-03
228	ALL	669697.96	4342595.6	1.29E-02
229	ALL	669919.27	4342595.6	1.54E-02
230	ALL	670140.58	4342595.6	2.11E-02
231	ALL	670361.89	4342595.6	3.03E-02
232	ALL	670583.2	4342595.6	3.73E-02
233	ALL	670804.51	4342595.6	5.65E-02
234	ALL	671025.82	4342595.6	7.46E-02

Unmitigated Chronic Risk

235	ALL	671247.13	4342595.6	5.29E-02
236	ALL	671468.44	4342595.6	2.31E-02
237	ALL	671689.75	4342595.6	1.22E-02
238	ALL	671911.06	4342595.6	8.17E-03
239	ALL	672132.37	4342595.6	6.25E-03
240	ALL	672353.68	4342595.6	5.26E-03
241	ALL	672574.99	4342595.6	4.52E-03
242	ALL	668148.79	4342760.56	4.46E-03
243	ALL	668370.1	4342760.56	5.07E-03
244	ALL	668591.41	4342760.56	5.67E-03
245	ALL	668812.72	4342760.56	6.50E-03
246	ALL	669034.03	4342760.56	7.44E-03
247	ALL	669255.34	4342760.56	8.54E-03
248	ALL	669476.65	4342760.56	1.08E-02
249	ALL	669697.96	4342760.56	1.26E-02
250	ALL	669919.27	4342760.56	1.56E-02
251	ALL	670140.58	4342760.56	1.98E-02
252	ALL	670361.89	4342760.56	2.75E-02
253	ALL	670583.2	4342760.56	3.33E-02
254	ALL	670804.51	4342760.56	4.15E-02
255	ALL	671025.82	4342760.56	4.65E-02
256	ALL	671247.13	4342760.56	3.45E-02
257	ALL	671468.44	4342760.56	1.96E-02
258	ALL	671689.75	4342760.56	1.08E-02
259	ALL	671911.06	4342760.56	6.58E-03
260	ALL	672132.37	4342760.56	5.41E-03
261	ALL	672353.68	4342760.56	4.61E-03
262	ALL	672574.99	4342760.56	3.74E-03
263	ALL	668148.79	4342925.52	4.74E-03
264	ALL	668370.1	4342925.52	5.37E-03
265	ALL	668591.41	4342925.52	6.15E-03
266	ALL	668812.72	4342925.52	6.96E-03
267	ALL	669034.03	4342925.52	7.99E-03
268	ALL	669476.65	4342925.52	1.02E-02
269	ALL	669697.96	4342925.52	1.27E-02
270	ALL	669919.27	4342925.52	1.52E-02
271	ALL	670140.58	4342925.52	1.93E-02
272	ALL	670361.89	4342925.52	2.45E-02
273	ALL	670583.2	4342925.52	3.02E-02
274	ALL	670804.51	4342925.52	3.24E-02
275	ALL	671025.82	4342925.52	2.98E-02
276	ALL	671247.13	4342925.52	2.54E-02
277	ALL	671468.44	4342925.52	1.53E-02
278	ALL	671689.75	4342925.52	9.28E-03
279	ALL	671911.06	4342925.52	5.87E-03
280	ALL	672132.37	4342925.52	4.09E-03
281	ALL	672353.68	4342925.52	3.92E-03

Unmitigated Chronic Risk

282	ALL	672574.99	4342925.52	3.32E-03
283	ALL	668148.79	4343090.48	4.77E-03
284	ALL	668370.1	4343090.48	5.34E-03
285	ALL	668591.41	4343090.48	6.26E-03
286	ALL	669476.65	4343090.48	9.63E-03
287	ALL	669697.96	4343090.48	1.16E-02
288	ALL	669919.27	4343090.48	1.50E-02
289	ALL	670140.58	4343090.48	1.92E-02
290	ALL	670361.89	4343090.48	2.22E-02
291	ALL	670583.2	4343090.48	2.36E-02
292	ALL	670804.51	4343090.48	2.56E-02
293	ALL	671025.82	4343090.48	2.18E-02
294	ALL	671247.13	4343090.48	1.91E-02
295	ALL	671468.44	4343090.48	1.27E-02
296	ALL	671689.75	4343090.48	8.04E-03
297	ALL	671911.06	4343090.48	5.23E-03
298	ALL	672132.37	4343090.48	3.75E-03
299	ALL	672353.68	4343090.48	2.76E-03
300	ALL	672574.99	4343090.48	2.64E-03
301	ALL	668148.79	4343255.44	4.75E-03
302	ALL	668370.1	4343255.44	5.21E-03
303	ALL	668591.41	4343255.44	6.16E-03
304	ALL	669476.65	4343255.44	9.75E-03
305	ALL	669697.96	4343255.44	1.16E-02
306	ALL	669919.27	4343255.44	1.41E-02
307	ALL	670140.58	4343255.44	1.67E-02
308	ALL	670361.89	4343255.44	1.78E-02
309	ALL	670583.2	4343255.44	1.85E-02
310	ALL	670804.51	4343255.44	2.06E-02
311	ALL	671025.82	4343255.44	1.70E-02
312	ALL	671247.13	4343255.44	1.46E-02
313	ALL	671468.44	4343255.44	1.09E-02
314	ALL	671689.75	4343255.44	7.06E-03
315	ALL	671911.06	4343255.44	4.72E-03
316	ALL	672132.37	4343255.44	3.39E-03
317	ALL	672353.68	4343255.44	2.60E-03
318	ALL	672574.99	4343255.44	1.98E-03
319	ALL	668148.79	4343420.4	4.68E-03
320	ALL	668370.1	4343420.4	5.08E-03
321	ALL	668591.41	4343420.4	5.87E-03
322	ALL	668812.72	4343420.4	7.64E-03
323	ALL	669034.03	4343420.4	8.93E-03
324	ALL	669255.34	4343420.4	8.60E-03
325	ALL	669476.65	4343420.4	9.20E-03
326	ALL	669697.96	4343420.4	1.12E-02
327	ALL	669919.27	4343420.4	1.28E-02
328	ALL	670140.58	4343420.4	1.36E-02

Unmitigated Chronic Risk

329	ALL	670361.89	4343420.4	1.46E-02
330	ALL	670583.2	4343420.4	1.52E-02
331	ALL	670804.51	4343420.4	1.67E-02
332	ALL	671025.82	4343420.4	1.51E-02
333	ALL	671247.13	4343420.4	1.28E-02
334	ALL	671468.44	4343420.4	9.07E-03
335	ALL	671689.75	4343420.4	6.35E-03
336	ALL	671911.06	4343420.4	4.32E-03
337	ALL	672132.37	4343420.4	3.09E-03
338	ALL	672353.68	4343420.4	2.33E-03
339	ALL	672574.99	4343420.4	1.83E-03
340	ALL	668148.79	4343585.36	4.65E-03
341	ALL	668370.1	4343585.36	5.06E-03
342	ALL	668591.41	4343585.36	5.66E-03
343	ALL	668812.72	4343585.36	6.77E-03
344	ALL	669034.03	4343585.36	7.68E-03
345	ALL	669255.34	4343585.36	8.27E-03
346	ALL	669476.65	4343585.36	9.08E-03
347	ALL	669697.96	4343585.36	9.94E-03
348	ALL	669919.27	4343585.36	1.10E-02
349	ALL	670140.58	4343585.36	1.18E-02
350	ALL	670361.89	4343585.36	1.24E-02
351	ALL	670583.2	4343585.36	1.29E-02
352	ALL	670804.51	4343585.36	1.33E-02
353	ALL	671025.82	4343585.36	1.31E-02
354	ALL	671247.13	4343585.36	1.07E-02
355	ALL	671468.44	4343585.36	8.25E-03
356	ALL	671689.75	4343585.36	6.16E-03
357	ALL	671911.06	4343585.36	4.19E-03
358	ALL	672132.37	4343585.36	3.02E-03
359	ALL	672353.68	4343585.36	2.21E-03
360	ALL	672574.99	4343585.36	1.75E-03
361	ALL	668148.79	4343750.32	4.53E-03
362	ALL	668370.1	4343750.32	5.09E-03
363	ALL	668591.41	4343750.32	5.72E-03
364	ALL	668812.72	4343750.32	6.50E-03
365	ALL	669034.03	4343750.32	7.60E-03
366	ALL	669255.34	4343750.32	8.28E-03
367	ALL	669476.65	4343750.32	8.76E-03
368	ALL	669697.96	4343750.32	9.39E-03
369	ALL	669919.27	4343750.32	9.94E-03
370	ALL	670140.58	4343750.32	1.04E-02
371	ALL	670361.89	4343750.32	1.09E-02
372	ALL	670583.2	4343750.32	1.10E-02
373	ALL	670804.51	4343750.32	1.10E-02
374	ALL	671025.82	4343750.32	1.06E-02
375	ALL	671247.13	4343750.32	9.55E-03

376	ALL	671468.44	4343750.32	7.99E-03
377	ALL	671689.75	4343750.32	6.48E-03
378	ALL	671911.06	4343750.32	4.80E-03
379	ALL	672132.37	4343750.32	3.21E-03
380	ALL	672353.68	4343750.32	2.22E-03
381	ALL	672574.99	4343750.32	1.74E-03
382	ALL	668148.79	4343915.28	4.43E-03
383	ALL	668370.1	4343915.28	5.05E-03
384	ALL	668591.41	4343915.28	5.81E-03
385	ALL	668812.72	4343915.28	6.52E-03
386	ALL	669034.03	4343915.28	7.45E-03
387	ALL	669255.34	4343915.28	8.17E-03
388	ALL	669476.65	4343915.28	8.52E-03
389	ALL	669697.96	4343915.28	8.72E-03
390	ALL	669919.27	4343915.28	8.99E-03
391	ALL	670140.58	4343915.28	9.33E-03
392	ALL	670361.89	4343915.28	9.46E-03
393	ALL	670583.2	4343915.28	9.61E-03
394	ALL	670804.51	4343915.28	9.55E-03
395	ALL	671025.82	4343915.28	9.22E-03
396	ALL	671247.13	4343915.28	8.14E-03
397	ALL	671468.44	4343915.28	6.94E-03
398	ALL	671689.75	4343915.28	5.60E-03
399	ALL	671911.06	4343915.28	4.35E-03
400	ALL	672132.37	4343915.28	3.38E-03
401	ALL	672353.68	4343915.28	2.47E-03
402	ALL	672574.99	4343915.28	1.87E-03
403	ALL	668148.79	4344080.24	4.46E-03
404	ALL	668370.1	4344080.24	4.98E-03
405	ALL	668591.41	4344080.24	5.70E-03
406	ALL	668812.72	4344080.24	6.48E-03
407	ALL	669034.03	4344080.24	7.26E-03
408	ALL	669255.34	4344080.24	7.88E-03
409	ALL	669476.65	4344080.24	7.85E-03
410	ALL	669697.96	4344080.24	8.02E-03
411	ALL	669919.27	4344080.24	8.22E-03
412	ALL	670140.58	4344080.24	8.68E-03
413	ALL	670361.89	4344080.24	8.32E-03
414	ALL	670583.2	4344080.24	8.43E-03
415	ALL	670804.51	4344080.24	8.51E-03
416	ALL	671025.82	4344080.24	7.84E-03
417	ALL	671247.13	4344080.24	7.19E-03
418	ALL	671468.44	4344080.24	6.31E-03
419	ALL	671689.75	4344080.24	4.86E-03
420	ALL	671911.06	4344080.24	3.59E-03
421	ALL	672132.37	4344080.24	2.69E-03
422	ALL	672353.68	4344080.24	2.15E-03

Unmitigated Chronic Risk

423	ALL	672574.99	4344080.24	1.67E-03
424	ALL	671464.71	4342094.27	5.01E-02
425	ALL	671482.23	4342063.91	4.75E-02
426	ALL	671498.58	4342030.05	4.43E-02
427	ALL	671513.75	4341991.52	4.10E-02
428	ALL	671541.78	4341964.66	3.61E-02
429	ALL	671575.64	4341974	3.12E-02
430	ALL	671460.75	4342162.97	4.66E-02
431	ALL	671451	4342187.35	4.64E-02
432	ALL	671510.73	4342219.66	3.56E-02
433	ALL	671524.14	4342192.84	3.53E-02
434	ALL	671522.92	4342250.74	3.27E-02
435	ALL	671599.11	4342252.57	2.60E-02
436	ALL	671627.76	4342256.84	2.40E-02
437	ALL	671583.88	4342116.03	2.97E-02
438	ALL	671595.46	4342071.54	2.91E-02
439	ALL	671663.12	4342056.3	2.43E-02
440	ALL	671600.94	4342030.09	2.90E-02
441	ALL	671526.58	4342155.65	3.57E-02
442	ALL	671628.98	4342292.19	2.28E-02
443	ALL	671641.78	4341980.71	2.52E-02
444	ALL	671666.77	4342018.51	2.40E-02
445	ALL	671407.11	4342219.66	5.29E-02
446	ALL	671415.64	4342183.08	5.52E-02
447	ALL	671635.08	4341706.42	2.16E-02
448	ALL	671693.59	4341710.08	1.70E-02
449	ALL	671719.8	4341736.29	1.65E-02
450	ALL	671673.48	4341630.23	1.69E-02
451	ALL	671888.04	4341936.22	1.33E-02
452	ALL	671977.64	4341952.07	1.08E-02
453	ALL	672039.21	4341894.77	8.68E-03
454	ALL	671858.17	4341753.96	1.23E-02
455	ALL	671922.78	4341634.49	8.31E-03
456	ALL	671613.74	4341791.15	2.51E-02
457	ALL	671853.29	4341730.8	1.19E-02
458	ALL	671783.81	4341585.73	1.12E-02
459	ALL	671783.2	4341546.72	1.02E-02
460	ALL	671769.18	4341461.38	8.84E-03
461	ALL	671800.87	4341420.54	7.55E-03
462	ALL	671880.11	4341427.25	5.96E-03
463	ALL	672012.39	4341504.66	4.82E-03
464	ALL	672084.31	4341547.94	5.14E-03
465	ALL	671915.47	4341478.45	5.83E-03
466	ALL	671903.28	4341564.4	7.32E-03
467	ALL	671863.05	4341522.34	7.40E-03
468	ALL	671830.13	4341336.43	6.29E-03
469	ALL	671835.62	4341287.66	5.87E-03

Unmitigated Chronic Risk

470	ALL	671825.87	4341275.47	5.87E-03
471	ALL	672136.73	4341370.56	2.98E-03
472	ALL	671920.34	4341307.17	4.76E-03
473	ALL	671695.42	4341257.19	6.04E-03
474	ALL	671682.01	4341176.12	5.09E-03
475	ALL	671991.66	4341196.23	4.02E-03
476	ALL	672022.14	4341231.59	3.73E-03
477	ALL	671992.27	4341177.95	3.81E-03
478	ALL	671540.6	4341238.29	5.15E-03
479	ALL	671575.34	4341177.95	4.42E-03
480	ALL	671454.65	4341196.23	5.36E-03
481	ALL	671523.53	4341116.38	4.12E-03
482	ALL	671413.2	4341126.74	5.36E-03
483	ALL	671471.11	4341064.57	4.18E-03
484	ALL	671601.55	4341050.55	4.02E-03
485	ALL	671198.64	4341253.53	7.28E-03
486	ALL	671278.49	4341212.08	7.08E-03
487	ALL	671230.34	4341132.84	5.80E-03
488	ALL	671073.08	4341271.82	7.81E-03
489	ALL	671122.45	4341373.61	1.01E-02
490	ALL	671118.79	4341397.38	1.08E-02
491	ALL	670978.4	4341324.15	1.00E-02
492	ALL	670932.85	4341394.21	1.29E-02
493	ALL	670935.19	4341367.36	1.21E-02
494	ALL	671108.01	4340976.17	5.37E-03
495	ALL	671286.67	4340978.51	4.57E-03
496	ALL	671675.37	4342488.78	1.50E-02
497	ALL	671091.4	4342277.23	2.67E-01
498	ALL	671051.75	4342332.07	1.84E-01
499	ALL	671051.75	4342369.2	1.58E-01
500	ALL	670953.04	4342360.76	1.26E-01
501	ALL	670695.71	4342235.89	7.77E-02
502	ALL	670545.53	4342318.58	4.67E-02
503	ALL	670711.74	4342488.16	5.48E-02
504	ALL	670648.3	4342501.73	4.49E-02
505	ALL	670648.3	4342630.87	4.02E-02
506	ALL	670806.29	4342728.41	4.38E-02
507	ALL	670688.15	4342739.41	3.71E-02
508	ALL	670804.92	4342427.55	8.52E-02
509	ALL	670439.48	4342471.51	3.58E-02
510	ALL	670358.43	4342578.67	3.00E-02
511	ALL	670546.64	4342662.47	3.52E-02
512	ALL	670537.03	4342595.15	3.49E-02
513	ALL	670483.45	4342776.5	3.02E-02
514	ALL	670508.17	4342754.52	3.14E-02
515	ALL	670517.79	4342868.54	2.90E-02
516	ALL	670545.27	4342850.69	2.96E-02

Unmitigated Chronic Risk

517	ALL	670582.36	4342878.16	2.99E-02
518	ALL	670304.85	4342688.57	2.62E-02
519	ALL	670039.7	4342661.1	1.82E-02
520	ALL	670156.48	4342673.46	2.15E-02
521	ALL	670236.16	4342648.73	2.45E-02
522	ALL	670071.3	4342738.03	1.93E-02
523	ALL	669990.24	4342753.14	1.72E-02
524	ALL	669928.42	4342742.15	1.57E-02
525	ALL	669815.77	4342673.46	1.39E-02
526	ALL	669742.96	4342655.6	1.31E-02
527	ALL	669791.04	4342744.9	1.36E-02
528	ALL	669696.25	4342731.16	1.26E-02
529	ALL	669536.88	4342552.57	9.91E-03
530	ALL	671174.86	4342280.21	2.02E-01
531	ALL	671068.38	4342169.93	8.75E-01
532	ALL	670965.71	4342179.44	3.67E-01
533	ALL	670815.5	4342198.45	1.24E-01
534	ALL	670737.55	4342097.68	7.97E-02
535	ALL	670762.27	4342069.16	8.92E-02
536	ALL	670817.4	4342040.64	1.19E-01
537	ALL	670895.36	4342025.43	1.91E-01
538	ALL	670979.02	4341915.15	1.95E-01
539	ALL	671115.92	4341863.81	1.15E-01
540	ALL	671199.58	4341770.65	7.37E-02
541	ALL	671222.39	4341377.07	1.09E-02
542	ALL	671714.84	4341392.28	8.34E-03
543	ALL	671366.89	4341998.81	1.11E-01
544	ALL	671226.19	4342236.48	1.67E-01
545	ALL	669098.44	4343411.59	9.09E-03
546	ALL	668908.63	4343364.56	9.59E-03
547	ALL	668851.52	4343359.52	9.17E-03
548	ALL	668831.37	4343371.27	8.57E-03
549	ALL	668733.94	4343302.41	9.25E-03
550	ALL	668686.91	4343199.95	8.34E-03
551	ALL	668671.79	4343089.09	7.09E-03
552	ALL	668806.17	4343001.74	7.52E-03
553	ALL	668918.71	4343025.26	8.14E-03
554	ALL	669024.53	4342942.95	8.20E-03
555	ALL	669288.24	4342916.08	9.31E-03
556	ALL	669333.59	4342922.8	1.01E-02
557	ALL	669365.51	4342978.23	1.01E-02
558	ALL	669336.95	4343151.23	9.97E-03
559	ALL	669303.36	4343304.09	9.62E-03
560	ALL	669222.73	4343235.22	1.22E-02
561	ALL	669135.39	4343305.77	1.18E-02

Mitigated Chronic Risk

2	ALL	668370.1	4340781	7.83E-03
3	ALL	668591.4	4340781	9.10E-03
4	ALL	668812.7	4340781	1.03E-02
5	ALL	669034	4340781	1.19E-02
6	ALL	669255.3	4340781	1.39E-02
7	ALL	669476.7	4340781	1.50E-02
8	ALL	669698	4340781	1.63E-02
9	ALL	669919.3	4340781	1.67E-02
10	ALL	670140.6	4340781	1.42E-02
11	ALL	670361.9	4340781	1.01E-02
12	ALL	670583.2	4340781	6.98E-03
13	ALL	670804.5	4340781	6.08E-03
14	ALL	671025.8	4340781	4.86E-03
15	ALL	671247.1	4340781	3.85E-03
16	ALL	671468.4	4340781	3.78E-03
17	ALL	671689.8	4340781	2.82E-03
18	ALL	671911.1	4340781	2.59E-03
19	ALL	672132.4	4340781	1.88E-03
20	ALL	672353.7	4340781	2.08E-03
21	ALL	672575	4340781	1.78E-03
22	ALL	668148.8	4340946	5.88E-03
23	ALL	668370.1	4340946	7.04E-03
24	ALL	668591.4	4340946	8.31E-03
25	ALL	668812.7	4340946	9.71E-03
26	ALL	669034	4340946	1.19E-02
27	ALL	669255.3	4340946	1.40E-02
28	ALL	669476.7	4340946	1.56E-02
29	ALL	669698	4340946	1.88E-02
30	ALL	669919.3	4340946	2.10E-02
31	ALL	670140.6	4340946	1.92E-02
32	ALL	670361.9	4340946	1.47E-02
33	ALL	670583.2	4340946	1.02E-02
34	ALL	670804.5	4340946	7.48E-03
35	ALL	671025.8	4340946	5.73E-03
36	ALL	671247.1	4340946	4.30E-03
37	ALL	671468.4	4340946	3.72E-03
38	ALL	671689.8	4340946	3.36E-03
39	ALL	671911.1	4340946	3.16E-03
40	ALL	672132.4	4340946	2.03E-03
41	ALL	672353.7	4340946	1.94E-03
42	ALL	672575	4340946	1.85E-03
43	ALL	668148.8	4341111	5.35E-03
44	ALL	668370.1	4341111	6.23E-03
45	ALL	668591.4	4341111	7.59E-03
46	ALL	668812.7	4341111	9.06E-03
47	ALL	669034	4341111	1.11E-02
48	ALL	669255.3	4341111	1.30E-02

Mitigated Chronic Risk

49	ALL	669476.7	4341111	1.59E-02
50	ALL	669698	4341111	2.00E-02
51	ALL	669919.3	4341111	2.28E-02
52	ALL	670140.6	4341111	2.53E-02
53	ALL	670361.9	4341111	2.12E-02
54	ALL	670583.2	4341111	1.32E-02
55	ALL	670804.5	4341111	8.68E-03
56	ALL	671025.8	4341111	6.38E-03
57	ALL	671247.1	4341111	5.56E-03
58	ALL	671468.4	4341111	4.20E-03
59	ALL	671689.8	4341111	4.46E-03
60	ALL	671911.1	4341111	3.72E-03
61	ALL	672132.4	4341111	2.13E-03
62	ALL	672353.7	4341111	1.83E-03
63	ALL	672575	4341111	2.06E-03
64	ALL	668148.8	4341276	4.90E-03
65	ALL	668370.1	4341276	5.69E-03
66	ALL	668591.4	4341276	6.83E-03
67	ALL	668812.7	4341276	8.40E-03
68	ALL	669034	4341276	1.08E-02
69	ALL	669255.3	4341276	1.29E-02
70	ALL	669476.7	4341276	1.53E-02
71	ALL	669698	4341276	1.93E-02
72	ALL	669919.3	4341276	2.64E-02
73	ALL	670140.6	4341276	3.11E-02
74	ALL	670361.9	4341276	2.88E-02
75	ALL	670583.2	4341276	1.84E-02
76	ALL	670804.5	4341276	1.10E-02
77	ALL	671025.8	4341276	8.07E-03
78	ALL	671247.1	4341276	7.73E-03
79	ALL	671468.4	4341276	6.52E-03
80	ALL	671689.8	4341276	5.89E-03
81	ALL	671911.1	4341276	4.56E-03
82	ALL	672132.4	4341276	2.56E-03
83	ALL	672353.7	4341276	1.98E-03
84	ALL	672575	4341276	2.50E-03
85	ALL	668148.8	4341441	4.47E-03
86	ALL	668370.1	4341441	5.18E-03
87	ALL	668591.4	4341441	6.12E-03
88	ALL	668812.7	4341441	7.61E-03
89	ALL	669034	4341441	9.58E-03
90	ALL	669255.3	4341441	1.10E-02
91	ALL	669476.7	4341441	1.39E-02
92	ALL	669698	4341441	1.86E-02
93	ALL	669919.3	4341441	2.58E-02
94	ALL	670140.6	4341441	3.28E-02
95	ALL	670361.9	4341441	3.95E-02

Mitigated Chronic Risk

96	ALL	670583.2	4341441	3.11E-02
97	ALL	670804.5	4341441	1.88E-02
98	ALL	671025.8	4341441	1.23E-02
99	ALL	671689.8	4341441	8.92E-03
100	ALL	671911.1	4341441	5.12E-03
101	ALL	672132.4	4341441	3.32E-03
102	ALL	672353.7	4341441	3.10E-03
103	ALL	672575	4341441	3.20E-03
104	ALL	668148.8	4341606	4.25E-03
105	ALL	668370.1	4341606	4.87E-03
106	ALL	668591.4	4341606	5.65E-03
107	ALL	668812.7	4341606	6.67E-03
108	ALL	669034	4341606	7.86E-03
109	ALL	669255.3	4341606	9.52E-03
110	ALL	669476.7	4341606	1.21E-02
111	ALL	669698	4341606	1.58E-02
112	ALL	669919.3	4341606	2.06E-02
113	ALL	670140.6	4341606	3.03E-02
114	ALL	670361.9	4341606	4.19E-02
115	ALL	670583.2	4341606	5.30E-02
116	ALL	670804.5	4341606	4.18E-02
117	ALL	671025.8	4341606	2.13E-02
118	ALL	671689.8	4341606	1.36E-02
119	ALL	671911.1	4341606	7.20E-03
120	ALL	672132.4	4341606	5.11E-03
121	ALL	672353.7	4341606	3.93E-03
122	ALL	672575	4341606	3.77E-03
123	ALL	668148.8	4341771	3.90E-03
124	ALL	668370.1	4341771	4.54E-03
125	ALL	668591.4	4341771	5.04E-03
126	ALL	668812.7	4341771	5.87E-03
127	ALL	669034	4341771	6.97E-03
128	ALL	669255.3	4341771	8.73E-03
129	ALL	669476.7	4341771	1.02E-02
130	ALL	669698	4341771	1.13E-02
131	ALL	669919.3	4341771	1.43E-02
132	ALL	670140.6	4341771	2.02E-02
133	ALL	670361.9	4341771	2.98E-02
134	ALL	670583.2	4341771	6.63E-02
135	ALL	670804.5	4341771	9.94E-02
136	ALL	671025.8	4341771	6.25E-02
137	ALL	671689.8	4341771	1.56E-02
138	ALL	671911.1	4341771	9.80E-03
139	ALL	672132.4	4341771	5.75E-03
140	ALL	672353.7	4341771	4.00E-03
141	ALL	672575	4341771	4.25E-03
142	ALL	668148.8	4341936	3.61E-03

Mitigated Chronic Risk

143	ALL	668370.1	4341936	4.09E-03
144	ALL	668591.4	4341936	4.71E-03
145	ALL	668812.7	4341936	5.51E-03
146	ALL	669034	4341936	6.55E-03
147	ALL	669255.3	4341936	7.45E-03
148	ALL	669476.7	4341936	7.86E-03
149	ALL	669698	4341936	8.98E-03
150	ALL	669919.3	4341936	1.02E-02
151	ALL	670140.6	4341936	1.31E-02
152	ALL	670361.9	4341936	1.96E-02
153	ALL	670583.2	4341936	4.26E-02
154	ALL	670804.5	4341936	1.31E-01
155	ALL	671468.4	4341936	4.22E-02
156	ALL	671689.8	4341936	1.94E-02
157	ALL	671911.1	4341936	1.15E-02
158	ALL	672132.4	4341936	6.86E-03
159	ALL	672353.7	4341936	4.50E-03
160	ALL	672575	4341936	4.31E-03
161	ALL	668148.8	4342101	3.58E-03
162	ALL	668370.1	4342101	4.09E-03
163	ALL	668591.4	4342101	4.73E-03
164	ALL	668812.7	4342101	5.38E-03
165	ALL	669034	4342101	6.36E-03
166	ALL	669255.3	4342101	7.32E-03
167	ALL	669476.7	4342101	7.28E-03
168	ALL	669698	4342101	8.35E-03
169	ALL	669919.3	4342101	1.01E-02
170	ALL	670140.6	4342101	1.21E-02
171	ALL	670361.9	4342101	2.21E-02
172	ALL	670583.2	4342101	4.66E-02
173	ALL	671468.4	4342101	4.47E-02
174	ALL	671689.8	4342101	2.10E-02
175	ALL	671911.1	4342101	1.25E-02
176	ALL	672132.4	4342101	7.74E-03
177	ALL	672353.7	4342101	5.11E-03
178	ALL	672575	4342101	4.41E-03
179	ALL	668148.8	4342266	3.71E-03
180	ALL	668370.1	4342266	4.22E-03
181	ALL	668591.4	4342266	4.62E-03
182	ALL	668812.7	4342266	5.27E-03
183	ALL	669034	4342266	6.01E-03
184	ALL	669255.3	4342266	7.16E-03
185	ALL	669476.7	4342266	8.65E-03
186	ALL	669698	4342266	1.10E-02
187	ALL	669919.3	4342266	1.41E-02
188	ALL	670140.6	4342266	1.84E-02
189	ALL	670361.9	4342266	2.86E-02

Mitigated Chronic Risk

190	ALL	670583.2	4342266	4.90E-02
191	ALL	670804.5	4342266	1.10E-01
192	ALL	671025.8	4342266	2.27E-01
193	ALL	671247.1	4342266	1.24E-01
194	ALL	671468.4	4342266	3.62E-02
195	ALL	671689.8	4342266	1.92E-02
196	ALL	671911.1	4342266	1.17E-02
197	ALL	672132.4	4342266	7.95E-03
198	ALL	672353.7	4342266	5.55E-03
199	ALL	672575	4342266	4.76E-03
200	ALL	668148.8	4342431	3.78E-03
201	ALL	668370.1	4342431	4.34E-03
202	ALL	668591.4	4342431	4.75E-03
203	ALL	668812.7	4342431	5.37E-03
204	ALL	669034	4342431	6.08E-03
205	ALL	669255.3	4342431	7.07E-03
206	ALL	669476.7	4342431	8.74E-03
207	ALL	669698	4342431	1.07E-02
208	ALL	669919.3	4342431	1.41E-02
209	ALL	670140.6	4342431	1.89E-02
210	ALL	670361.9	4342431	2.84E-02
211	ALL	670583.2	4342431	4.75E-02
212	ALL	670804.5	4342431	8.34E-02
213	ALL	671025.8	4342431	1.26E-01
214	ALL	671247.1	4342431	7.17E-02
215	ALL	671468.4	4342431	2.79E-02
216	ALL	671689.8	4342431	1.53E-02
217	ALL	671911.1	4342431	9.68E-03
218	ALL	672132.4	4342431	7.14E-03
219	ALL	672353.7	4342431	5.75E-03
220	ALL	672575	4342431	4.61E-03
221	ALL	668148.8	4342596	4.06E-03
222	ALL	668370.1	4342596	4.53E-03
223	ALL	668591.4	4342596	5.11E-03
224	ALL	668812.7	4342596	5.84E-03
225	ALL	669034	4342596	6.64E-03
226	ALL	669255.3	4342596	7.71E-03
227	ALL	669476.7	4342596	9.07E-03
228	ALL	669698	4342596	1.17E-02
229	ALL	669919.3	4342596	1.42E-02
230	ALL	670140.6	4342596	1.98E-02
231	ALL	670361.9	4342596	2.96E-02
232	ALL	670583.2	4342596	3.68E-02
233	ALL	670804.5	4342596	5.56E-02
234	ALL	671025.8	4342596	7.33E-02
235	ALL	671247.1	4342596	5.14E-02
236	ALL	671468.4	4342596	2.20E-02

Mitigated Chronic Risk

237	ALL	671689.8	4342596	1.15E-02
238	ALL	671911.1	4342596	7.77E-03
239	ALL	672132.4	4342596	5.95E-03
240	ALL	672353.7	4342596	5.01E-03
241	ALL	672575	4342596	4.29E-03
242	ALL	668148.8	4342761	4.42E-03
243	ALL	668370.1	4342761	5.02E-03
244	ALL	668591.4	4342761	5.61E-03
245	ALL	668812.7	4342761	6.43E-03
246	ALL	669034	4342761	7.34E-03
247	ALL	669255.3	4342761	8.34E-03
248	ALL	669476.7	4342761	9.69E-03
249	ALL	669698	4342761	1.22E-02
250	ALL	669919.3	4342761	1.51E-02
251	ALL	670140.6	4342761	1.94E-02
252	ALL	670361.9	4342761	2.70E-02
253	ALL	670583.2	4342761	3.28E-02
254	ALL	670804.5	4342761	4.08E-02
255	ALL	671025.8	4342761	4.57E-02
256	ALL	671247.1	4342761	3.36E-02
257	ALL	671468.4	4342761	1.88E-02
258	ALL	671689.8	4342761	1.03E-02
259	ALL	671911.1	4342761	6.26E-03
260	ALL	672132.4	4342761	5.18E-03
261	ALL	672353.7	4342761	4.40E-03
262	ALL	672575	4342761	3.57E-03
263	ALL	668148.8	4342926	4.69E-03
264	ALL	668370.1	4342926	5.32E-03
265	ALL	668591.4	4342926	6.10E-03
266	ALL	668812.7	4342926	6.89E-03
267	ALL	669034	4342926	7.89E-03
268	ALL	669476.7	4342926	9.60E-03
269	ALL	669698	4342926	1.24E-02
270	ALL	669919.3	4342926	1.49E-02
271	ALL	670140.6	4342926	1.90E-02
272	ALL	670361.9	4342926	2.41E-02
273	ALL	670583.2	4342926	2.98E-02
274	ALL	670804.5	4342926	3.19E-02
275	ALL	671025.8	4342926	2.92E-02
276	ALL	671247.1	4342926	2.47E-02
277	ALL	671468.4	4342926	1.48E-02
278	ALL	671689.8	4342926	8.87E-03
279	ALL	671911.1	4342926	5.59E-03
280	ALL	672132.4	4342926	3.90E-03
281	ALL	672353.7	4342926	3.76E-03
282	ALL	672575	4342926	3.18E-03
283	ALL	668148.8	4343090	4.73E-03

Mitigated Chronic Risk

284	ALL	668370.1	4343090	5.29E-03
285	ALL	668591.4	4343090	6.21E-03
286	ALL	669476.7	4343090	9.36E-03
287	ALL	669698	4343090	1.14E-02
288	ALL	669919.3	4343090	1.47E-02
289	ALL	670140.6	4343090	1.89E-02
290	ALL	670361.9	4343090	2.19E-02
291	ALL	670583.2	4343090	2.33E-02
292	ALL	670804.5	4343090	2.52E-02
293	ALL	671025.8	4343090	2.14E-02
294	ALL	671247.1	4343090	1.86E-02
295	ALL	671468.4	4343090	1.23E-02
296	ALL	671689.8	4343090	7.71E-03
297	ALL	671911.1	4343090	5.00E-03
298	ALL	672132.4	4343090	3.59E-03
299	ALL	672353.7	4343090	2.63E-03
300	ALL	672575	4343090	2.53E-03
301	ALL	668148.8	4343255	4.71E-03
302	ALL	668370.1	4343255	5.16E-03
303	ALL	668591.4	4343255	6.11E-03
304	ALL	669476.7	4343255	9.56E-03
305	ALL	669698	4343255	1.14E-02
306	ALL	669919.3	4343255	1.39E-02
307	ALL	670140.6	4343255	1.64E-02
308	ALL	670361.9	4343255	1.76E-02
309	ALL	670583.2	4343255	1.82E-02
310	ALL	670804.5	4343255	2.03E-02
311	ALL	671025.8	4343255	1.67E-02
312	ALL	671247.1	4343255	1.42E-02
313	ALL	671468.4	4343255	1.06E-02
314	ALL	671689.8	4343255	6.79E-03
315	ALL	671911.1	4343255	4.52E-03
316	ALL	672132.4	4343255	3.25E-03
317	ALL	672353.7	4343255	2.48E-03
318	ALL	672575	4343255	1.89E-03
319	ALL	668148.8	4343420	4.64E-03
320	ALL	668370.1	4343420	5.04E-03
321	ALL	668591.4	4343420	5.82E-03
322	ALL	668812.7	4343420	7.58E-03
323	ALL	669034	4343420	8.85E-03
324	ALL	669255.3	4343420	8.49E-03
325	ALL	669476.7	4343420	9.06E-03
326	ALL	669698	4343420	1.11E-02
327	ALL	669919.3	4343420	1.26E-02
328	ALL	670140.6	4343420	1.34E-02
329	ALL	670361.9	4343420	1.43E-02
330	ALL	670583.2	4343420	1.50E-02

Mitigated Chronic Risk

331	ALL	670804.5	4343420	1.64E-02
332	ALL	671025.8	4343420	1.48E-02
333	ALL	671247.1	4343420	1.25E-02
334	ALL	671468.4	4343420	8.78E-03
335	ALL	671689.8	4343420	6.12E-03
336	ALL	671911.1	4343420	4.15E-03
337	ALL	672132.4	4343420	2.96E-03
338	ALL	672353.7	4343420	2.23E-03
339	ALL	672575	4343420	1.75E-03
340	ALL	668148.8	4343585	4.61E-03
341	ALL	668370.1	4343585	5.02E-03
342	ALL	668591.4	4343585	5.61E-03
343	ALL	668812.7	4343585	6.71E-03
344	ALL	669034	4343585	7.61E-03
345	ALL	669255.3	4343585	8.17E-03
346	ALL	669476.7	4343585	8.96E-03
347	ALL	669698	4343585	9.80E-03
348	ALL	669919.3	4343585	1.08E-02
349	ALL	670140.6	4343585	1.16E-02
350	ALL	670361.9	4343585	1.22E-02
351	ALL	670583.2	4343585	1.27E-02
352	ALL	670804.5	4343585	1.31E-02
353	ALL	671025.8	4343585	1.28E-02
354	ALL	671247.1	4343585	1.04E-02
355	ALL	671468.4	4343585	8.01E-03
356	ALL	671689.8	4343585	5.96E-03
357	ALL	671911.1	4343585	4.03E-03
358	ALL	672132.4	4343585	2.90E-03
359	ALL	672353.7	4343585	2.12E-03
360	ALL	672575	4343585	1.68E-03
361	ALL	668148.8	4343750	4.49E-03
362	ALL	668370.1	4343750	5.05E-03
363	ALL	668591.4	4343750	5.67E-03
364	ALL	668812.7	4343750	6.44E-03
365	ALL	669034	4343750	7.52E-03
366	ALL	669255.3	4343750	8.19E-03
367	ALL	669476.7	4343750	8.65E-03
368	ALL	669698	4343750	9.27E-03
369	ALL	669919.3	4343750	9.81E-03
370	ALL	670140.6	4343750	1.03E-02
371	ALL	670361.9	4343750	1.07E-02
372	ALL	670583.2	4343750	1.08E-02
373	ALL	670804.5	4343750	1.08E-02
374	ALL	671025.8	4343750	1.04E-02
375	ALL	671247.1	4343750	9.31E-03
376	ALL	671468.4	4343750	7.76E-03
377	ALL	671689.8	4343750	6.28E-03

Mitigated Chronic Risk

378	ALL	671911.1	4343750	4.64E-03
379	ALL	672132.4	4343750	3.09E-03
380	ALL	672353.7	4343750	2.13E-03
381	ALL	672575	4343750	1.67E-03
382	ALL	668148.8	4343915	4.40E-03
383	ALL	668370.1	4343915	5.00E-03
384	ALL	668591.4	4343915	5.76E-03
385	ALL	668812.7	4343915	6.46E-03
386	ALL	669034	4343915	7.38E-03
387	ALL	669255.3	4343915	8.09E-03
388	ALL	669476.7	4343915	8.42E-03
389	ALL	669698	4343915	8.61E-03
390	ALL	669919.3	4343915	8.87E-03
391	ALL	670140.6	4343915	9.19E-03
392	ALL	670361.9	4343915	9.31E-03
393	ALL	670583.2	4343915	9.44E-03
394	ALL	670804.5	4343915	9.36E-03
395	ALL	671025.8	4343915	9.01E-03
396	ALL	671247.1	4343915	7.93E-03
397	ALL	671468.4	4343915	6.74E-03
398	ALL	671689.8	4343915	5.43E-03
399	ALL	671911.1	4343915	4.22E-03
400	ALL	672132.4	4343915	3.27E-03
401	ALL	672353.7	4343915	2.39E-03
402	ALL	672575	4343915	1.80E-03
403	ALL	668148.8	4344080	4.42E-03
404	ALL	668370.1	4344080	4.94E-03
405	ALL	668591.4	4344080	5.65E-03
406	ALL	668812.7	4344080	6.43E-03
407	ALL	669034	4344080	7.19E-03
408	ALL	669255.3	4344080	7.80E-03
409	ALL	669476.7	4344080	7.76E-03
410	ALL	669698	4344080	7.92E-03
411	ALL	669919.3	4344080	8.11E-03
412	ALL	670140.6	4344080	8.56E-03
413	ALL	670361.9	4344080	8.19E-03
414	ALL	670583.2	4344080	8.28E-03
415	ALL	670804.5	4344080	8.34E-03
416	ALL	671025.8	4344080	7.66E-03
417	ALL	671247.1	4344080	7.01E-03
418	ALL	671468.4	4344080	6.13E-03
419	ALL	671689.8	4344080	4.72E-03
420	ALL	671911.1	4344080	3.47E-03
421	ALL	672132.4	4344080	2.60E-03
422	ALL	672353.7	4344080	2.07E-03
423	ALL	672575	4344080	1.61E-03
424	ALL	671464.7	4342094	4.58E-02

Mitigated Chronic Risk

425	ALL	671482.2	4342064	4.31E-02
426	ALL	671498.6	4342030	3.97E-02
427	ALL	671513.8	4341992	3.60E-02
428	ALL	671541.8	4341965	3.14E-02
429	ALL	671575.6	4341974	2.75E-02
430	ALL	671460.8	4342163	4.31E-02
431	ALL	671451	4342187	4.31E-02
432	ALL	671510.7	4342220	3.32E-02
433	ALL	671524.1	4342193	3.28E-02
434	ALL	671522.9	4342251	3.05E-02
435	ALL	671599.1	4342253	2.44E-02
436	ALL	671627.8	4342257	2.25E-02
437	ALL	671583.9	4342116	2.75E-02
438	ALL	671595.5	4342072	2.67E-02
439	ALL	671663.1	4342056	2.24E-02
440	ALL	671600.9	4342030	2.64E-02
441	ALL	671526.6	4342156	3.31E-02
442	ALL	671629	4342292	2.14E-02
443	ALL	671641.8	4341981	2.26E-02
444	ALL	671666.8	4342019	2.19E-02
445	ALL	671407.1	4342220	4.92E-02
446	ALL	671415.6	4342183	5.12E-02
447	ALL	671635.1	4341706	1.75E-02
448	ALL	671693.6	4341710	1.44E-02
449	ALL	671719.8	4341736	1.41E-02
450	ALL	671673.5	4341630	1.42E-02
451	ALL	671888	4341936	1.22E-02
452	ALL	671977.6	4341952	1.00E-02
453	ALL	672039.2	4341895	8.03E-03
454	ALL	671858.2	4341754	1.09E-02
455	ALL	671922.8	4341634	7.50E-03
456	ALL	671613.7	4341791	2.04E-02
457	ALL	671853.3	4341731	1.06E-02
458	ALL	671783.8	4341586	9.85E-03
459	ALL	671783.2	4341547	9.01E-03
460	ALL	671769.2	4341461	7.92E-03
461	ALL	671800.9	4341421	6.84E-03
462	ALL	671880.1	4341427	5.49E-03
463	ALL	672012.4	4341505	4.45E-03
464	ALL	672084.3	4341548	4.76E-03
465	ALL	671915.5	4341478	5.35E-03
466	ALL	671903.3	4341564	6.63E-03
467	ALL	671863.1	4341522	6.70E-03
468	ALL	671830.1	4341336	5.78E-03
469	ALL	671835.6	4341288	5.43E-03
470	ALL	671825.9	4341275	5.43E-03
471	ALL	672136.7	4341371	2.80E-03

Mitigated Chronic Risk

472	ALL	671920.3	4341307	4.45E-03
473	ALL	671695.4	4341257	5.64E-03
474	ALL	671682	4341176	4.81E-03
475	ALL	671991.7	4341196	3.79E-03
476	ALL	672022.1	4341232	3.52E-03
477	ALL	671992.3	4341178	3.60E-03
478	ALL	671540.6	4341238	4.87E-03
479	ALL	671575.3	4341178	4.20E-03
480	ALL	671454.7	4341196	5.11E-03
481	ALL	671523.5	4341116	3.93E-03
482	ALL	671413.2	4341127	5.16E-03
483	ALL	671471.1	4341065	4.01E-03
484	ALL	671601.6	4341051	3.83E-03
485	ALL	671198.6	4341254	7.02E-03
486	ALL	671278.5	4341212	6.83E-03
487	ALL	671230.3	4341133	5.62E-03
488	ALL	671073.1	4341272	7.55E-03
489	ALL	671122.5	4341374	9.71E-03
490	ALL	671118.8	4341397	1.03E-02
491	ALL	670978.4	4341324	9.70E-03
492	ALL	670932.9	4341394	1.25E-02
493	ALL	670935.2	4341367	1.17E-02
494	ALL	671108	4340976	5.24E-03
495	ALL	671286.7	4340979	4.43E-03
496	ALL	671675.4	4342489	1.42E-02
497	ALL	671091.4	4342277	2.63E-01
498	ALL	671051.8	4342332	1.81E-01
499	ALL	671051.8	4342369	1.56E-01
500	ALL	670953	4342361	1.24E-01
501	ALL	670695.7	4342236	7.59E-02
502	ALL	670545.5	4342319	4.51E-02
503	ALL	670711.7	4342488	5.40E-02
504	ALL	670648.3	4342502	4.42E-02
505	ALL	670648.3	4342631	3.97E-02
506	ALL	670806.3	4342728	4.32E-02
507	ALL	670688.2	4342739	3.66E-02
508	ALL	670804.9	4342428	8.40E-02
509	ALL	670439.5	4342472	3.46E-02
510	ALL	670358.4	4342579	2.92E-02
511	ALL	670546.6	4342662	3.47E-02
512	ALL	670537	4342595	3.43E-02
513	ALL	670483.5	4342777	2.97E-02
514	ALL	670508.2	4342755	3.10E-02
515	ALL	670517.8	4342869	2.85E-02
516	ALL	670545.3	4342851	2.92E-02
517	ALL	670582.4	4342878	2.95E-02
518	ALL	670304.9	4342689	2.56E-02

Mitigated Chronic Risk

519	ALL	670039.7	4342661	1.71E-02
520	ALL	670156.5	4342673	2.08E-02
521	ALL	670236.2	4342649	2.39E-02
522	ALL	670071.3	4342738	1.88E-02
523	ALL	669990.2	4342753	1.66E-02
524	ALL	669928.4	4342742	1.51E-02
525	ALL	669815.8	4342673	1.33E-02
526	ALL	669743	4342656	1.25E-02
527	ALL	669791	4342745	1.32E-02
528	ALL	669696.3	4342731	1.21E-02
529	ALL	669536.9	4342553	9.35E-03
530	ALL	671174.9	4342280	1.98E-01
531	ALL	671068.4	4342170	8.68E-01
532	ALL	670965.7	4342179	3.60E-01
533	ALL	670815.5	4342198	1.21E-01
534	ALL	670737.6	4342098	7.84E-02
535	ALL	670762.3	4342069	8.79E-02
536	ALL	670817.4	4342041	1.18E-01
537	ALL	670895.4	4342025	1.89E-01
538	ALL	670979	4341915	1.92E-01
539	ALL	671115.9	4341864	1.08E-01
540	ALL	671199.6	4341771	6.19E-02
541	ALL	671222.4	4341377	1.03E-02
542	ALL	671714.8	4341392	7.55E-03
543	ALL	671366.9	4341999	9.26E-02
544	ALL	671226.2	4342236	1.60E-01
545	ALL	669098.4	4343412	9.00E-03
546	ALL	668908.6	4343365	9.52E-03
547	ALL	668851.5	4343360	9.11E-03
548	ALL	668831.4	4343371	8.51E-03
549	ALL	668733.9	4343302	9.19E-03
550	ALL	668686.9	4343200	8.28E-03
551	ALL	668671.8	4343089	7.04E-03
552	ALL	668806.2	4343002	7.45E-03
553	ALL	668918.7	4343025	8.07E-03
554	ALL	669024.5	4342943	8.11E-03
555	ALL	669288.2	4342916	8.90E-03
556	ALL	669333.6	4342923	9.17E-03
557	ALL	669365.5	4342978	9.45E-03
558	ALL	669337	4343151	9.78E-03
559	ALL	669303.4	4343304	9.48E-03
560	ALL	669222.7	4343235	1.21E-02
561	ALL	669135.4	4343306	1.17E-02

Unmitigated Acute Risk

REC	GRP	X	Y	MAXHI
1	ALL	668148.8	4340781.04	6.21E-04
2	ALL	668370.1	4340781.04	7.04E-04
3	ALL	668591.4	4340781.04	7.63E-04
4	ALL	668812.7	4340781.04	7.86E-04
5	ALL	669034	4340781.04	8.71E-04
6	ALL	669255.3	4340781.04	9.92E-04
7	ALL	669476.7	4340781.04	9.71E-04
8	ALL	669698	4340781.04	1.14E-03
9	ALL	669919.3	4340781.04	1.56E-03
10	ALL	670140.6	4340781.04	1.77E-03
11	ALL	670361.9	4340781.04	1.92E-03
12	ALL	670583.2	4340781.04	1.62E-03
13	ALL	670804.5	4340781.04	1.60E-03
14	ALL	671025.8	4340781.04	1.58E-03
15	ALL	671247.1	4340781.04	1.40E-03
16	ALL	671468.4	4340781.04	1.48E-03
17	ALL	671689.8	4340781.04	1.55E-03
18	ALL	671911.1	4340781.04	1.39E-03
19	ALL	672132.4	4340781.04	1.05E-03
20	ALL	672353.7	4340781.04	1.37E-03
21	ALL	672575	4340781.04	1.58E-03
22	ALL	668148.8	4340946	6.18E-04
23	ALL	668370.1	4340946	6.77E-04
24	ALL	668591.4	4340946	7.34E-04
25	ALL	668812.7	4340946	7.83E-04
26	ALL	669034	4340946	9.06E-04
27	ALL	669255.3	4340946	1.02E-03
28	ALL	669476.7	4340946	1.03E-03
29	ALL	669698	4340946	1.28E-03
30	ALL	669919.3	4340946	1.72E-03
31	ALL	670140.6	4340946	1.85E-03
32	ALL	670361.9	4340946	2.11E-03
33	ALL	670583.2	4340946	2.30E-03
34	ALL	670804.5	4340946	2.00E-03
35	ALL	671025.8	4340946	1.74E-03
36	ALL	671247.1	4340946	1.52E-03
37	ALL	671468.4	4340946	1.48E-03
38	ALL	671689.8	4340946	1.80E-03
39	ALL	671911.1	4340946	1.99E-03
40	ALL	672132.4	4340946	1.07E-03
41	ALL	672353.7	4340946	1.22E-03
42	ALL	672575	4340946	1.62E-03
43	ALL	668148.8	4341110.96	6.29E-04
44	ALL	668370.1	4341110.96	6.71E-04
45	ALL	668591.4	4341110.96	7.44E-04
46	ALL	668812.7	4341110.96	8.06E-04

Unmitigated Acute Risk

47	ALL	669034	4341110.96	8.94E-04
48	ALL	669255.3	4341110.96	9.24E-04
49	ALL	669476.7	4341110.96	1.08E-03
50	ALL	669698	4341110.96	1.52E-03
51	ALL	669919.3	4341110.96	1.50E-03
52	ALL	670140.6	4341110.96	2.03E-03
53	ALL	670361.9	4341110.96	2.34E-03
54	ALL	670583.2	4341110.96	2.19E-03
55	ALL	670804.5	4341110.96	1.98E-03
56	ALL	671025.8	4341110.96	1.90E-03
57	ALL	671247.1	4341110.96	1.84E-03
58	ALL	671468.4	4341110.96	1.73E-03
59	ALL	671689.8	4341110.96	2.74E-03
60	ALL	671911.1	4341110.96	2.37E-03
61	ALL	672132.4	4341110.96	9.87E-04
62	ALL	672353.7	4341110.96	1.03E-03
63	ALL	672575	4341110.96	1.68E-03
64	ALL	668148.8	4341275.92	6.41E-04
65	ALL	668370.1	4341275.92	6.91E-04
66	ALL	668591.4	4341275.92	7.62E-04
67	ALL	668812.7	4341275.92	8.71E-04
68	ALL	669034	4341275.92	1.11E-03
69	ALL	669255.3	4341275.92	1.16E-03
70	ALL	669476.7	4341275.92	1.16E-03
71	ALL	669698	4341275.92	1.33E-03
72	ALL	669919.3	4341275.92	1.97E-03
73	ALL	670140.6	4341275.92	2.21E-03
74	ALL	670361.9	4341275.92	2.27E-03
75	ALL	670583.2	4341275.92	2.19E-03
76	ALL	670804.5	4341275.92	2.30E-03
77	ALL	671025.8	4341275.92	2.20E-03
78	ALL	671247.1	4341275.92	2.54E-03
79	ALL	671468.4	4341275.92	3.37E-03
80	ALL	671689.8	4341275.92	3.26E-03
81	ALL	671911.1	4341275.92	2.88E-03
82	ALL	672132.4	4341275.92	1.29E-03
83	ALL	672353.7	4341275.92	6.88E-04
84	ALL	672575	4341275.92	1.78E-03
85	ALL	668148.8	4341440.88	6.49E-04
86	ALL	668370.1	4341440.88	7.07E-04
87	ALL	668591.4	4341440.88	7.77E-04
88	ALL	668812.7	4341440.88	9.34E-04
89	ALL	669034	4341440.88	1.12E-03
90	ALL	669255.3	4341440.88	1.05E-03
91	ALL	669476.7	4341440.88	1.26E-03
92	ALL	669698	4341440.88	1.57E-03
93	ALL	669919.3	4341440.88	2.16E-03

Unmitigated Acute Risk

94	ALL	670140.6	4341440.88	2.24E-03
95	ALL	670361.9	4341440.88	2.35E-03
96	ALL	670583.2	4341440.88	2.50E-03
97	ALL	670804.5	4341440.88	3.29E-03
98	ALL	671025.8	4341440.88	3.15E-03
99	ALL	671689.8	4341440.88	3.60E-03
100	ALL	671911.1	4341440.88	3.09E-03
101	ALL	672132.4	4341440.88	1.25E-03
102	ALL	672353.7	4341440.88	1.44E-03
103	ALL	672575	4341440.88	1.65E-03
104	ALL	668148.8	4341605.84	6.78E-04
105	ALL	668370.1	4341605.84	7.47E-04
106	ALL	668591.4	4341605.84	8.23E-04
107	ALL	668812.7	4341605.84	9.15E-04
108	ALL	669034	4341605.84	9.83E-04
109	ALL	669255.3	4341605.84	1.06E-03
110	ALL	669476.7	4341605.84	1.18E-03
111	ALL	669698	4341605.84	1.58E-03
112	ALL	669919.3	4341605.84	2.31E-03
113	ALL	670140.6	4341605.84	2.67E-03
114	ALL	670361.9	4341605.84	2.59E-03
115	ALL	670583.2	4341605.84	3.17E-03
116	ALL	670804.5	4341605.84	4.83E-03
117	ALL	671025.8	4341605.84	4.50E-03
118	ALL	671689.8	4341605.84	4.14E-03
119	ALL	671911.1	4341605.84	3.31E-03
120	ALL	672132.4	4341605.84	2.22E-03
121	ALL	672353.7	4341605.84	1.69E-03
122	ALL	672575	4341605.84	1.56E-03
123	ALL	668148.8	4341770.8	6.60E-04
124	ALL	668370.1	4341770.8	7.63E-04
125	ALL	668591.4	4341770.8	7.87E-04
126	ALL	668812.7	4341770.8	8.72E-04
127	ALL	669034	4341770.8	9.86E-04
128	ALL	669255.3	4341770.8	1.25E-03
129	ALL	669476.7	4341770.8	1.51E-03
130	ALL	669698	4341770.8	1.97E-03
131	ALL	669919.3	4341770.8	2.37E-03
132	ALL	670140.6	4341770.8	2.61E-03
133	ALL	670361.9	4341770.8	2.76E-03
134	ALL	670583.2	4341770.8	4.51E-03
135	ALL	670804.5	4341770.8	4.57E-03
136	ALL	671025.8	4341770.8	5.25E-03
137	ALL	671689.8	4341770.8	4.89E-03
138	ALL	671911.1	4341770.8	3.57E-03
139	ALL	672132.4	4341770.8	1.75E-03
140	ALL	672353.7	4341770.8	1.27E-03

Unmitigated Acute Risk

141	ALL	672575	4341770.8	1.56E-03
142	ALL	668148.8	4341935.76	6.54E-04
143	ALL	668370.1	4341935.76	7.10E-04
144	ALL	668591.4	4341935.76	7.91E-04
145	ALL	668812.7	4341935.76	9.04E-04
146	ALL	669034	4341935.76	1.07E-03
147	ALL	669255.3	4341935.76	1.36E-03
148	ALL	669476.7	4341935.76	1.76E-03
149	ALL	669698	4341935.76	1.97E-03
150	ALL	669919.3	4341935.76	1.93E-03
151	ALL	670140.6	4341935.76	2.29E-03
152	ALL	670361.9	4341935.76	3.24E-03
153	ALL	670583.2	4341935.76	4.37E-03
154	ALL	670804.5	4341935.76	4.26E-03
155	ALL	671468.4	4341935.76	7.75E-03
156	ALL	671689.8	4341935.76	4.78E-03
157	ALL	671911.1	4341935.76	3.74E-03
158	ALL	672132.4	4341935.76	1.86E-03
159	ALL	672353.7	4341935.76	9.78E-04
160	ALL	672575	4341935.76	2.07E-03
161	ALL	668148.8	4342100.72	6.55E-04
162	ALL	668370.1	4342100.72	7.24E-04
163	ALL	668591.4	4342100.72	8.35E-04
164	ALL	668812.7	4342100.72	9.14E-04
165	ALL	669034	4342100.72	1.08E-03
166	ALL	669255.3	4342100.72	1.31E-03
167	ALL	669476.7	4342100.72	1.73E-03
168	ALL	669698	4342100.72	2.08E-03
169	ALL	669919.3	4342100.72	2.44E-03
170	ALL	670140.6	4342100.72	2.67E-03
171	ALL	670361.9	4342100.72	3.24E-03
172	ALL	670583.2	4342100.72	3.09E-03
173	ALL	671468.4	4342100.72	7.29E-03
174	ALL	671689.8	4342100.72	3.92E-03
175	ALL	671911.1	4342100.72	3.39E-03
176	ALL	672132.4	4342100.72	2.02E-03
177	ALL	672353.7	4342100.72	1.29E-03
178	ALL	672575	4342100.72	2.10E-03
179	ALL	668148.8	4342265.68	6.56E-04
180	ALL	668370.1	4342265.68	7.28E-04
181	ALL	668591.4	4342265.68	7.63E-04
182	ALL	668812.7	4342265.68	8.32E-04
183	ALL	669034	4342265.68	8.88E-04
184	ALL	669255.3	4342265.68	1.06E-03
185	ALL	669476.7	4342265.68	1.27E-03
186	ALL	669698	4342265.68	1.74E-03
187	ALL	669919.3	4342265.68	1.93E-03

Unmitigated Acute Risk

188	ALL	670140.6	4342265.68	2.51E-03
189	ALL	670361.9	4342265.68	2.40E-03
190	ALL	670583.2	4342265.68	2.98E-03
191	ALL	670804.5	4342265.68	4.31E-03
192	ALL	671025.8	4342265.68	7.16E-03
193	ALL	671247.1	4342265.68	8.54E-03
194	ALL	671468.4	4342265.68	4.04E-03
195	ALL	671689.8	4342265.68	3.13E-03
196	ALL	671911.1	4342265.68	2.78E-03
197	ALL	672132.4	4342265.68	2.82E-03
198	ALL	672353.7	4342265.68	2.08E-03
199	ALL	672575	4342265.68	1.70E-03
200	ALL	668148.8	4342430.64	6.48E-04
201	ALL	668370.1	4342430.64	7.00E-04
202	ALL	668591.4	4342430.64	7.54E-04
203	ALL	668812.7	4342430.64	8.15E-04
204	ALL	669034	4342430.64	8.69E-04
205	ALL	669255.3	4342430.64	9.41E-04
206	ALL	669476.7	4342430.64	1.04E-03
207	ALL	669698	4342430.64	1.16E-03
208	ALL	669919.3	4342430.64	1.43E-03
209	ALL	670140.6	4342430.64	1.73E-03
210	ALL	670361.9	4342430.64	2.11E-03
211	ALL	670583.2	4342430.64	3.73E-03
212	ALL	670804.5	4342430.64	4.56E-03
213	ALL	671025.8	4342430.64	5.56E-03
214	ALL	671247.1	4342430.64	6.41E-03
215	ALL	671468.4	4342430.64	4.21E-03
216	ALL	671689.8	4342430.64	2.70E-03
217	ALL	671911.1	4342430.64	2.04E-03
218	ALL	672132.4	4342430.64	2.23E-03
219	ALL	672353.7	4342430.64	2.18E-03
220	ALL	672575	4342430.64	1.48E-03
221	ALL	668148.8	4342595.6	6.42E-04
222	ALL	668370.1	4342595.6	6.90E-04
223	ALL	668591.4	4342595.6	7.46E-04
224	ALL	668812.7	4342595.6	8.05E-04
225	ALL	669034	4342595.6	8.60E-04
226	ALL	669255.3	4342595.6	9.13E-04
227	ALL	669476.7	4342595.6	1.01E-03
228	ALL	669698	4342595.6	1.20E-03
229	ALL	669919.3	4342595.6	1.36E-03
230	ALL	670140.6	4342595.6	1.64E-03
231	ALL	670361.9	4342595.6	2.40E-03
232	ALL	670583.2	4342595.6	3.91E-03
233	ALL	670804.5	4342595.6	4.56E-03
234	ALL	671025.8	4342595.6	4.49E-03

Unmitigated Acute Risk

235	ALL	671247.1	4342595.6	5.14E-03
236	ALL	671468.4	4342595.6	2.14E-03
237	ALL	671689.8	4342595.6	1.99E-03
238	ALL	671911.1	4342595.6	1.50E-03
239	ALL	672132.4	4342595.6	1.57E-03
240	ALL	672353.7	4342595.6	2.14E-03
241	ALL	672575	4342595.6	1.57E-03
242	ALL	668148.8	4342760.56	6.66E-04
243	ALL	668370.1	4342760.56	6.95E-04
244	ALL	668591.4	4342760.56	7.56E-04
245	ALL	668812.7	4342760.56	7.93E-04
246	ALL	669034	4342760.56	8.51E-04
247	ALL	669255.3	4342760.56	9.03E-04
248	ALL	669476.7	4342760.56	9.90E-04
249	ALL	669698	4342760.56	1.36E-03
250	ALL	669919.3	4342760.56	1.43E-03
251	ALL	670140.6	4342760.56	2.24E-03
252	ALL	670361.9	4342760.56	2.55E-03
253	ALL	670583.2	4342760.56	2.88E-03
254	ALL	670804.5	4342760.56	3.90E-03
255	ALL	671025.8	4342760.56	4.23E-03
256	ALL	671247.1	4342760.56	2.65E-03
257	ALL	671468.4	4342760.56	2.16E-03
258	ALL	671689.8	4342760.56	1.55E-03
259	ALL	671911.1	4342760.56	9.36E-04
260	ALL	672132.4	4342760.56	1.35E-03
261	ALL	672353.7	4342760.56	1.84E-03
262	ALL	672575	4342760.56	1.72E-03
263	ALL	668148.8	4342925.52	6.96E-04
264	ALL	668370.1	4342925.52	7.54E-04
265	ALL	668591.4	4342925.52	7.29E-04
266	ALL	668812.7	4342925.52	7.79E-04
267	ALL	669034	4342925.52	8.37E-04
268	ALL	669476.7	4342925.52	1.02E-03
269	ALL	669698	4342925.52	1.31E-03
270	ALL	669919.3	4342925.52	1.81E-03
271	ALL	670140.6	4342925.52	2.25E-03
272	ALL	670361.9	4342925.52	2.64E-03
273	ALL	670583.2	4342925.52	2.67E-03
274	ALL	670804.5	4342925.52	3.12E-03
275	ALL	671025.8	4342925.52	2.08E-03
276	ALL	671247.1	4342925.52	2.07E-03
277	ALL	671468.4	4342925.52	1.41E-03
278	ALL	671689.8	4342925.52	8.68E-04
279	ALL	671911.1	4342925.52	7.25E-04
280	ALL	672132.4	4342925.52	5.05E-04
281	ALL	672353.7	4342925.52	1.31E-03

Unmitigated Acute Risk

282	ALL	672575	4342925.52	1.48E-03
283	ALL	668148.8	4343090.48	6.75E-04
284	ALL	668370.1	4343090.48	7.82E-04
285	ALL	668591.4	4343090.48	7.30E-04
286	ALL	669476.7	4343090.48	9.02E-04
287	ALL	669698	4343090.48	1.03E-03
288	ALL	669919.3	4343090.48	1.26E-03
289	ALL	670140.6	4343090.48	1.94E-03
290	ALL	670361.9	4343090.48	1.83E-03
291	ALL	670583.2	4343090.48	1.65E-03
292	ALL	670804.5	4343090.48	2.50E-03
293	ALL	671025.8	4343090.48	1.64E-03
294	ALL	671247.1	4343090.48	1.62E-03
295	ALL	671468.4	4343090.48	8.73E-04
296	ALL	671689.8	4343090.48	5.59E-04
297	ALL	671911.1	4343090.48	5.13E-04
298	ALL	672132.4	4343090.48	4.77E-04
299	ALL	672353.7	4343090.48	4.05E-04
300	ALL	672575	4343090.48	7.33E-04
301	ALL	668148.8	4343255.44	6.72E-04
302	ALL	668370.1	4343255.44	7.85E-04
303	ALL	668591.4	4343255.44	9.71E-04
304	ALL	669476.7	4343255.44	9.17E-04
305	ALL	669698	4343255.44	1.01E-03
306	ALL	669919.3	4343255.44	1.17E-03
307	ALL	670140.6	4343255.44	1.34E-03
308	ALL	670361.9	4343255.44	1.34E-03
309	ALL	670583.2	4343255.44	1.34E-03
310	ALL	670804.5	4343255.44	1.79E-03
311	ALL	671025.8	4343255.44	1.38E-03
312	ALL	671247.1	4343255.44	1.15E-03
313	ALL	671468.4	4343255.44	1.04E-03
314	ALL	671689.8	4343255.44	5.21E-04
315	ALL	671911.1	4343255.44	4.51E-04
316	ALL	672132.4	4343255.44	3.95E-04
317	ALL	672353.7	4343255.44	4.05E-04
318	ALL	672575	4343255.44	3.29E-04
319	ALL	668148.8	4343420.4	6.76E-04
320	ALL	668370.1	4343420.4	7.48E-04
321	ALL	668591.4	4343420.4	8.58E-04
322	ALL	668812.7	4343420.4	9.34E-04
323	ALL	669034	4343420.4	1.02E-03
324	ALL	669255.3	4343420.4	8.47E-04
325	ALL	669476.7	4343420.4	8.67E-04
326	ALL	669698	4343420.4	9.44E-04
327	ALL	669919.3	4343420.4	1.00E-03
328	ALL	670140.6	4343420.4	1.10E-03

Unmitigated Acute Risk

329	ALL	670361.9	4343420.4	1.07E-03
330	ALL	670583.2	4343420.4	1.23E-03
331	ALL	670804.5	4343420.4	1.59E-03
332	ALL	671025.8	4343420.4	2.06E-03
333	ALL	671247.1	4343420.4	1.34E-03
334	ALL	671468.4	4343420.4	6.88E-04
335	ALL	671689.8	4343420.4	4.73E-04
336	ALL	671911.1	4343420.4	3.67E-04
337	ALL	672132.4	4343420.4	3.45E-04
338	ALL	672353.7	4343420.4	3.07E-04
339	ALL	672575	4343420.4	2.92E-04
340	ALL	668148.8	4343585.36	6.00E-04
341	ALL	668370.1	4343585.36	6.32E-04
342	ALL	668591.4	4343585.36	7.53E-04
343	ALL	668812.7	4343585.36	7.00E-04
344	ALL	669034	4343585.36	7.40E-04
345	ALL	669255.3	4343585.36	7.90E-04
346	ALL	669476.7	4343585.36	8.39E-04
347	ALL	669698	4343585.36	8.71E-04
348	ALL	669919.3	4343585.36	9.15E-04
349	ALL	670140.6	4343585.36	9.76E-04
350	ALL	670361.9	4343585.36	9.83E-04
351	ALL	670583.2	4343585.36	1.12E-03
352	ALL	670804.5	4343585.36	1.20E-03
353	ALL	671025.8	4343585.36	1.32E-03
354	ALL	671247.1	4343585.36	1.23E-03
355	ALL	671468.4	4343585.36	8.65E-04
356	ALL	671689.8	4343585.36	7.03E-04
357	ALL	671911.1	4343585.36	3.70E-04
358	ALL	672132.4	4343585.36	3.38E-04
359	ALL	672353.7	4343585.36	2.88E-04
360	ALL	672575	4343585.36	2.88E-04
361	ALL	668148.8	4343750.32	5.82E-04
362	ALL	668370.1	4343750.32	6.25E-04
363	ALL	668591.4	4343750.32	6.47E-04
364	ALL	668812.7	4343750.32	6.76E-04
365	ALL	669034	4343750.32	7.70E-04
366	ALL	669255.3	4343750.32	8.01E-04
367	ALL	669476.7	4343750.32	8.11E-04
368	ALL	669698	4343750.32	8.46E-04
369	ALL	669919.3	4343750.32	8.75E-04
370	ALL	670140.6	4343750.32	9.13E-04
371	ALL	670361.9	4343750.32	9.57E-04
372	ALL	670583.2	4343750.32	1.02E-03
373	ALL	670804.5	4343750.32	1.01E-03
374	ALL	671025.8	4343750.32	1.04E-03
375	ALL	671247.1	4343750.32	1.65E-03

Unmitigated Acute Risk

376	ALL	671468.4	4343750.32	1.48E-03
377	ALL	671689.8	4343750.32	1.52E-03
378	ALL	671911.1	4343750.32	9.69E-04
379	ALL	672132.4	4343750.32	5.38E-04
380	ALL	672353.7	4343750.32	2.96E-04
381	ALL	672575	4343750.32	2.58E-04
382	ALL	668148.8	4343915.28	5.72E-04
383	ALL	668370.1	4343915.28	6.03E-04
384	ALL	668591.4	4343915.28	6.61E-04
385	ALL	668812.7	4343915.28	6.88E-04
386	ALL	669034	4343915.28	7.68E-04
387	ALL	669255.3	4343915.28	8.19E-04
388	ALL	669476.7	4343915.28	8.08E-04
389	ALL	669698	4343915.28	8.17E-04
390	ALL	669919.3	4343915.28	8.49E-04
391	ALL	670140.6	4343915.28	8.85E-04
392	ALL	670361.9	4343915.28	9.09E-04
393	ALL	670583.2	4343915.28	9.59E-04
394	ALL	670804.5	4343915.28	9.83E-04
395	ALL	671025.8	4343915.28	1.09E-03
396	ALL	671247.1	4343915.28	1.07E-03
397	ALL	671468.4	4343915.28	1.33E-03
398	ALL	671689.8	4343915.28	1.23E-03
399	ALL	671911.1	4343915.28	8.52E-04
400	ALL	672132.4	4343915.28	8.37E-04
401	ALL	672353.7	4343915.28	5.42E-04
402	ALL	672575	4343915.28	4.17E-04
403	ALL	668148.8	4344080.24	5.42E-04
404	ALL	668370.1	4344080.24	5.77E-04
405	ALL	668591.4	4344080.24	6.34E-04
406	ALL	668812.7	4344080.24	6.97E-04
407	ALL	669034	4344080.24	7.67E-04
408	ALL	669255.3	4344080.24	8.26E-04
409	ALL	669476.7	4344080.24	7.66E-04
410	ALL	669698	4344080.24	7.86E-04
411	ALL	669919.3	4344080.24	8.23E-04
412	ALL	670140.6	4344080.24	9.30E-04
413	ALL	670361.9	4344080.24	8.60E-04
414	ALL	670583.2	4344080.24	9.22E-04
415	ALL	670804.5	4344080.24	1.06E-03
416	ALL	671025.8	4344080.24	1.42E-03
417	ALL	671247.1	4344080.24	1.11E-03
418	ALL	671468.4	4344080.24	1.01E-03
419	ALL	671689.8	4344080.24	8.21E-04
420	ALL	671911.1	4344080.24	4.79E-04
421	ALL	672132.4	4344080.24	3.15E-04
422	ALL	672353.7	4344080.24	2.94E-04

Unmitigated Acute Risk

423	ALL	672575	4344080.24	2.59E-04
424	ALL	671464.7	4342094.27	7.46E-03
425	ALL	671482.2	4342063.91	6.78E-03
426	ALL	671498.6	4342030.05	6.33E-03
427	ALL	671513.8	4341991.52	5.50E-03
428	ALL	671541.8	4341964.66	5.82E-03
429	ALL	671575.6	4341974	4.23E-03
430	ALL	671460.8	4342162.97	5.65E-03
431	ALL	671451	4342187.35	6.82E-03
432	ALL	671510.7	4342219.66	5.35E-03
433	ALL	671524.1	4342192.84	4.91E-03
434	ALL	671522.9	4342250.74	4.47E-03
435	ALL	671599.1	4342252.57	4.08E-03
436	ALL	671627.8	4342256.84	3.84E-03
437	ALL	671583.9	4342116.03	4.49E-03
438	ALL	671595.5	4342071.54	4.15E-03
439	ALL	671663.1	4342056.3	4.19E-03
440	ALL	671600.9	4342030.09	4.98E-03
441	ALL	671526.6	4342155.65	4.72E-03
442	ALL	671629	4342292.19	2.77E-03
443	ALL	671641.8	4341980.71	4.48E-03
444	ALL	671666.8	4342018.51	4.15E-03
445	ALL	671407.1	4342219.66	5.62E-03
446	ALL	671415.6	4342183.08	7.38E-03
447	ALL	671635.1	4341706.42	5.23E-03
448	ALL	671693.6	4341710.08	4.65E-03
449	ALL	671719.8	4341736.29	4.58E-03
450	ALL	671673.5	4341630.23	4.56E-03
451	ALL	671888	4341936.22	3.89E-03
452	ALL	671977.6	4341952.07	3.18E-03
453	ALL	672039.2	4341894.77	2.09E-03
454	ALL	671858.2	4341753.96	3.80E-03
455	ALL	671922.8	4341634.49	3.31E-03
456	ALL	671613.7	4341791.15	5.52E-03
457	ALL	671853.3	4341730.8	3.77E-03
458	ALL	671783.8	4341585.73	3.84E-03
459	ALL	671783.2	4341546.72	3.69E-03
460	ALL	671769.2	4341461.38	3.41E-03
461	ALL	671800.9	4341420.54	3.26E-03
462	ALL	671880.1	4341427.25	3.25E-03
463	ALL	672012.4	4341504.66	1.90E-03
464	ALL	672084.3	4341547.94	1.90E-03
465	ALL	671915.5	4341478.45	3.20E-03
466	ALL	671903.3	4341564.4	3.28E-03
467	ALL	671863.1	4341522.34	3.39E-03
468	ALL	671830.1	4341336.43	2.99E-03
469	ALL	671835.6	4341287.66	2.95E-03

Unmitigated Acute Risk

470	ALL	671825.9	4341275.47	2.91E-03
471	ALL	672136.7	4341370.56	1.31E-03
472	ALL	671920.3	4341307.17	2.79E-03
473	ALL	671695.4	4341257.19	3.19E-03
474	ALL	671682	4341176.12	2.82E-03
475	ALL	671991.7	4341196.23	2.48E-03
476	ALL	672022.1	4341231.59	2.21E-03
477	ALL	671992.3	4341177.95	2.15E-03
478	ALL	671540.6	4341238.29	1.91E-03
479	ALL	671575.3	4341177.95	1.94E-03
480	ALL	671454.7	4341196.23	2.16E-03
481	ALL	671523.5	4341116.38	1.78E-03
482	ALL	671413.2	4341126.74	1.83E-03
483	ALL	671471.1	4341064.57	1.64E-03
484	ALL	671601.6	4341050.55	1.64E-03
485	ALL	671198.6	4341253.53	2.24E-03
486	ALL	671278.5	4341212.08	2.35E-03
487	ALL	671230.3	4341132.84	1.85E-03
488	ALL	671073.1	4341271.82	2.16E-03
489	ALL	671122.5	4341373.61	2.90E-03
490	ALL	671118.8	4341397.38	3.08E-03
491	ALL	670978.4	4341324.15	2.47E-03
492	ALL	670932.9	4341394.21	2.93E-03
493	ALL	670935.2	4341367.36	2.75E-03
494	ALL	671108	4340976.17	1.66E-03
495	ALL	671286.7	4340978.51	1.54E-03
496	ALL	671675.4	4342488.78	2.74E-03
497	ALL	671091.4	4342277.23	8.48E-03
498	ALL	671051.8	4342332.07	6.23E-03
499	ALL	671051.8	4342369.2	6.10E-03
500	ALL	670953	4342360.76	5.66E-03
501	ALL	670695.7	4342235.89	4.08E-03
502	ALL	670545.5	4342318.58	2.90E-03
503	ALL	670711.7	4342488.16	4.34E-03
504	ALL	670648.3	4342501.73	4.40E-03
505	ALL	670648.3	4342630.87	3.32E-03
506	ALL	670806.3	4342728.41	4.01E-03
507	ALL	670688.2	4342739.41	2.81E-03
508	ALL	670804.9	4342427.55	4.58E-03
509	ALL	670439.5	4342471.51	2.55E-03
510	ALL	670358.4	4342578.67	2.33E-03
511	ALL	670546.6	4342662.47	3.62E-03
512	ALL	670537	4342595.15	3.74E-03
513	ALL	670483.5	4342776.5	3.16E-03
514	ALL	670508.2	4342754.52	3.25E-03
515	ALL	670517.8	4342868.54	3.00E-03
516	ALL	670545.3	4342850.69	2.94E-03

Unmitigated Acute Risk

517	ALL	670582.4	4342878.16	3.06E-03
518	ALL	670304.9	4342688.57	2.54E-03
519	ALL	670039.7	4342661.1	1.46E-03
520	ALL	670156.5	4342673.46	1.85E-03
521	ALL	670236.2	4342648.73	2.10E-03
522	ALL	670071.3	4342738.03	1.76E-03
523	ALL	669990.2	4342753.14	1.57E-03
524	ALL	669928.4	4342742.15	1.41E-03
525	ALL	669815.8	4342673.46	1.31E-03
526	ALL	669743	4342655.6	1.27E-03
527	ALL	669791	4342744.9	1.39E-03
528	ALL	669696.3	4342731.16	1.32E-03
529	ALL	669536.9	4342552.57	1.04E-03
530	ALL	671174.9	4342280.21	9.47E-03
531	ALL	671068.4	4342169.93	6.76E-03
532	ALL	670965.7	4342179.44	6.51E-03
533	ALL	670815.5	4342198.45	4.42E-03
534	ALL	670737.6	4342097.68	3.89E-03
535	ALL	670762.3	4342069.16	4.04E-03
536	ALL	670817.4	4342040.64	4.43E-03
537	ALL	670895.4	4342025.43	4.65E-03
538	ALL	670979	4341915.15	4.88E-03
539	ALL	671115.9	4341863.81	5.04E-03
540	ALL	671199.6	4341770.65	5.52E-03
541	ALL	671222.4	4341377.07	2.88E-03
542	ALL	671714.8	4341392.28	3.50E-03
543	ALL	671366.9	4341998.81	1.36E-02
544	ALL	671226.2	4342236.48	1.07E-02
545	ALL	669098.4	4343411.59	1.03E-03
546	ALL	668908.6	4343364.56	1.10E-03
547	ALL	668851.5	4343359.52	1.09E-03
548	ALL	668831.4	4343371.27	1.04E-03
549	ALL	668733.9	4343302.41	1.26E-03
550	ALL	668686.9	4343199.95	1.03E-03
551	ALL	668671.8	4343089.09	8.79E-04
552	ALL	668806.2	4343001.74	8.63E-04
553	ALL	668918.7	4343025.26	7.96E-04
554	ALL	669024.5	4342942.95	8.31E-04
555	ALL	669288.2	4342916.08	9.15E-04
556	ALL	669333.6	4342922.8	9.44E-04
557	ALL	669365.5	4342978.23	9.53E-04
558	ALL	669337	4343151.23	8.70E-04
559	ALL	669303.4	4343304.09	8.39E-04
560	ALL	669222.7	4343235.22	8.32E-04
561	ALL	669135.4	4343305.77	1.06E-03

Mitigated Acute Risk

REC	GRP	X	Y	MAXHI
1	ALL	668148.8	4340781.04	6.21E-04
2	ALL	668370.1	4340781.04	7.04E-04
3	ALL	668591.4	4340781.04	7.63E-04
4	ALL	668812.7	4340781.04	7.86E-04
5	ALL	669034	4340781.04	8.71E-04
6	ALL	669255.3	4340781.04	9.92E-04
7	ALL	669476.7	4340781.04	9.71E-04
8	ALL	669698	4340781.04	1.14E-03
9	ALL	669919.3	4340781.04	1.56E-03
10	ALL	670140.6	4340781.04	1.77E-03
11	ALL	670361.9	4340781.04	1.92E-03
12	ALL	670583.2	4340781.04	1.62E-03
13	ALL	670804.5	4340781.04	1.60E-03
14	ALL	671025.8	4340781.04	1.58E-03
15	ALL	671247.1	4340781.04	1.40E-03
16	ALL	671468.4	4340781.04	1.48E-03
17	ALL	671689.8	4340781.04	1.55E-03
18	ALL	671911.1	4340781.04	1.39E-03
19	ALL	672132.4	4340781.04	1.05E-03
20	ALL	672353.7	4340781.04	1.37E-03
21	ALL	672575	4340781.04	1.58E-03
22	ALL	668148.8	4340946	6.18E-04
23	ALL	668370.1	4340946	6.77E-04
24	ALL	668591.4	4340946	7.34E-04
25	ALL	668812.7	4340946	7.83E-04
26	ALL	669034	4340946	9.06E-04
27	ALL	669255.3	4340946	1.02E-03
28	ALL	669476.7	4340946	1.03E-03
29	ALL	669698	4340946	1.28E-03
30	ALL	669919.3	4340946	1.72E-03
31	ALL	670140.6	4340946	1.85E-03
32	ALL	670361.9	4340946	2.11E-03
33	ALL	670583.2	4340946	2.30E-03
34	ALL	670804.5	4340946	2.00E-03
35	ALL	671025.8	4340946	1.74E-03
36	ALL	671247.1	4340946	1.52E-03
37	ALL	671468.4	4340946	1.48E-03
38	ALL	671689.8	4340946	1.80E-03
39	ALL	671911.1	4340946	1.99E-03
40	ALL	672132.4	4340946	1.07E-03
41	ALL	672353.7	4340946	1.22E-03
42	ALL	672575	4340946	1.62E-03
43	ALL	668148.8	4341110.96	6.29E-04
44	ALL	668370.1	4341110.96	6.71E-04
45	ALL	668591.4	4341110.96	7.44E-04
46	ALL	668812.7	4341110.96	8.06E-04

Mitigated Acute Risk

47	ALL	669034	4341110.96	8.94E-04
48	ALL	669255.3	4341110.96	9.24E-04
49	ALL	669476.7	4341110.96	1.08E-03
50	ALL	669698	4341110.96	1.52E-03
51	ALL	669919.3	4341110.96	1.50E-03
52	ALL	670140.6	4341110.96	2.03E-03
53	ALL	670361.9	4341110.96	2.34E-03
54	ALL	670583.2	4341110.96	2.19E-03
55	ALL	670804.5	4341110.96	1.98E-03
56	ALL	671025.8	4341110.96	1.90E-03
57	ALL	671247.1	4341110.96	1.84E-03
58	ALL	671468.4	4341110.96	1.73E-03
59	ALL	671689.8	4341110.96	2.74E-03
60	ALL	671911.1	4341110.96	2.37E-03
61	ALL	672132.4	4341110.96	9.87E-04
62	ALL	672353.7	4341110.96	1.03E-03
63	ALL	672575	4341110.96	1.68E-03
64	ALL	668148.8	4341275.92	6.41E-04
65	ALL	668370.1	4341275.92	6.91E-04
66	ALL	668591.4	4341275.92	7.62E-04
67	ALL	668812.7	4341275.92	8.71E-04
68	ALL	669034	4341275.92	1.11E-03
69	ALL	669255.3	4341275.92	1.16E-03
70	ALL	669476.7	4341275.92	1.16E-03
71	ALL	669698	4341275.92	1.33E-03
72	ALL	669919.3	4341275.92	1.97E-03
73	ALL	670140.6	4341275.92	2.21E-03
74	ALL	670361.9	4341275.92	2.27E-03
75	ALL	670583.2	4341275.92	2.19E-03
76	ALL	670804.5	4341275.92	2.30E-03
77	ALL	671025.8	4341275.92	2.20E-03
78	ALL	671247.1	4341275.92	2.54E-03
79	ALL	671468.4	4341275.92	3.37E-03
80	ALL	671689.8	4341275.92	3.26E-03
81	ALL	671911.1	4341275.92	2.88E-03
82	ALL	672132.4	4341275.92	1.29E-03
83	ALL	672353.7	4341275.92	6.88E-04
84	ALL	672575	4341275.92	1.78E-03
85	ALL	668148.8	4341440.88	6.49E-04
86	ALL	668370.1	4341440.88	7.07E-04
87	ALL	668591.4	4341440.88	7.77E-04
88	ALL	668812.7	4341440.88	9.34E-04
89	ALL	669034	4341440.88	1.12E-03
90	ALL	669255.3	4341440.88	1.05E-03
91	ALL	669476.7	4341440.88	1.26E-03
92	ALL	669698	4341440.88	1.57E-03
93	ALL	669919.3	4341440.88	2.16E-03

Mitigated Acute Risk

94	ALL	670140.6	4341440.88	2.24E-03
95	ALL	670361.9	4341440.88	2.35E-03
96	ALL	670583.2	4341440.88	2.50E-03
97	ALL	670804.5	4341440.88	3.29E-03
98	ALL	671025.8	4341440.88	3.15E-03
99	ALL	671689.8	4341440.88	3.60E-03
100	ALL	671911.1	4341440.88	3.09E-03
101	ALL	672132.4	4341440.88	1.25E-03
102	ALL	672353.7	4341440.88	1.44E-03
103	ALL	672575	4341440.88	1.65E-03
104	ALL	668148.8	4341605.84	6.78E-04
105	ALL	668370.1	4341605.84	7.47E-04
106	ALL	668591.4	4341605.84	8.23E-04
107	ALL	668812.7	4341605.84	9.15E-04
108	ALL	669034	4341605.84	9.83E-04
109	ALL	669255.3	4341605.84	1.06E-03
110	ALL	669476.7	4341605.84	1.18E-03
111	ALL	669698	4341605.84	1.58E-03
112	ALL	669919.3	4341605.84	2.31E-03
113	ALL	670140.6	4341605.84	2.67E-03
114	ALL	670361.9	4341605.84	2.59E-03
115	ALL	670583.2	4341605.84	3.17E-03
116	ALL	670804.5	4341605.84	4.83E-03
117	ALL	671025.8	4341605.84	4.50E-03
118	ALL	671689.8	4341605.84	4.14E-03
119	ALL	671911.1	4341605.84	3.31E-03
120	ALL	672132.4	4341605.84	2.22E-03
121	ALL	672353.7	4341605.84	1.69E-03
122	ALL	672575	4341605.84	1.56E-03
123	ALL	668148.8	4341770.8	6.60E-04
124	ALL	668370.1	4341770.8	7.63E-04
125	ALL	668591.4	4341770.8	7.87E-04
126	ALL	668812.7	4341770.8	8.72E-04
127	ALL	669034	4341770.8	9.86E-04
128	ALL	669255.3	4341770.8	1.25E-03
129	ALL	669476.7	4341770.8	1.51E-03
130	ALL	669698	4341770.8	1.97E-03
131	ALL	669919.3	4341770.8	2.37E-03
132	ALL	670140.6	4341770.8	2.61E-03
133	ALL	670361.9	4341770.8	2.76E-03
134	ALL	670583.2	4341770.8	4.51E-03
135	ALL	670804.5	4341770.8	4.57E-03
136	ALL	671025.8	4341770.8	5.25E-03
137	ALL	671689.8	4341770.8	4.89E-03
138	ALL	671911.1	4341770.8	3.57E-03
139	ALL	672132.4	4341770.8	1.75E-03
140	ALL	672353.7	4341770.8	1.27E-03

Mitigated Acute Risk

141	ALL	672575	4341770.8	1.56E-03
142	ALL	668148.8	4341935.76	6.54E-04
143	ALL	668370.1	4341935.76	7.10E-04
144	ALL	668591.4	4341935.76	7.91E-04
145	ALL	668812.7	4341935.76	9.04E-04
146	ALL	669034	4341935.76	1.07E-03
147	ALL	669255.3	4341935.76	1.36E-03
148	ALL	669476.7	4341935.76	1.76E-03
149	ALL	669698	4341935.76	1.97E-03
150	ALL	669919.3	4341935.76	1.93E-03
151	ALL	670140.6	4341935.76	2.29E-03
152	ALL	670361.9	4341935.76	3.24E-03
153	ALL	670583.2	4341935.76	4.37E-03
154	ALL	670804.5	4341935.76	4.26E-03
155	ALL	671468.4	4341935.76	7.75E-03
156	ALL	671689.8	4341935.76	4.78E-03
157	ALL	671911.1	4341935.76	3.74E-03
158	ALL	672132.4	4341935.76	1.86E-03
159	ALL	672353.7	4341935.76	9.78E-04
160	ALL	672575	4341935.76	2.07E-03
161	ALL	668148.8	4342100.72	6.55E-04
162	ALL	668370.1	4342100.72	7.24E-04
163	ALL	668591.4	4342100.72	8.35E-04
164	ALL	668812.7	4342100.72	9.14E-04
165	ALL	669034	4342100.72	1.08E-03
166	ALL	669255.3	4342100.72	1.31E-03
167	ALL	669476.7	4342100.72	1.73E-03
168	ALL	669698	4342100.72	2.08E-03
169	ALL	669919.3	4342100.72	2.44E-03
170	ALL	670140.6	4342100.72	2.67E-03
171	ALL	670361.9	4342100.72	3.24E-03
172	ALL	670583.2	4342100.72	3.09E-03
173	ALL	671468.4	4342100.72	7.29E-03
174	ALL	671689.8	4342100.72	3.92E-03
175	ALL	671911.1	4342100.72	3.39E-03
176	ALL	672132.4	4342100.72	2.02E-03
177	ALL	672353.7	4342100.72	1.29E-03
178	ALL	672575	4342100.72	2.10E-03
179	ALL	668148.8	4342265.68	6.56E-04
180	ALL	668370.1	4342265.68	7.28E-04
181	ALL	668591.4	4342265.68	7.63E-04
182	ALL	668812.7	4342265.68	8.32E-04
183	ALL	669034	4342265.68	8.88E-04
184	ALL	669255.3	4342265.68	1.06E-03
185	ALL	669476.7	4342265.68	1.27E-03
186	ALL	669698	4342265.68	1.74E-03
187	ALL	669919.3	4342265.68	1.93E-03

Mitigated Acute Risk

188	ALL	670140.6	4342265.68	2.51E-03
189	ALL	670361.9	4342265.68	2.40E-03
190	ALL	670583.2	4342265.68	2.98E-03
191	ALL	670804.5	4342265.68	4.31E-03
192	ALL	671025.8	4342265.68	7.16E-03
193	ALL	671247.1	4342265.68	8.54E-03
194	ALL	671468.4	4342265.68	4.04E-03
195	ALL	671689.8	4342265.68	3.13E-03
196	ALL	671911.1	4342265.68	2.78E-03
197	ALL	672132.4	4342265.68	2.82E-03
198	ALL	672353.7	4342265.68	2.08E-03
199	ALL	672575	4342265.68	1.70E-03
200	ALL	668148.8	4342430.64	6.48E-04
201	ALL	668370.1	4342430.64	7.00E-04
202	ALL	668591.4	4342430.64	7.54E-04
203	ALL	668812.7	4342430.64	8.15E-04
204	ALL	669034	4342430.64	8.69E-04
205	ALL	669255.3	4342430.64	9.41E-04
206	ALL	669476.7	4342430.64	1.04E-03
207	ALL	669698	4342430.64	1.16E-03
208	ALL	669919.3	4342430.64	1.43E-03
209	ALL	670140.6	4342430.64	1.73E-03
210	ALL	670361.9	4342430.64	2.11E-03
211	ALL	670583.2	4342430.64	3.73E-03
212	ALL	670804.5	4342430.64	4.56E-03
213	ALL	671025.8	4342430.64	5.56E-03
214	ALL	671247.1	4342430.64	6.41E-03
215	ALL	671468.4	4342430.64	4.21E-03
216	ALL	671689.8	4342430.64	2.70E-03
217	ALL	671911.1	4342430.64	2.04E-03
218	ALL	672132.4	4342430.64	2.23E-03
219	ALL	672353.7	4342430.64	2.18E-03
220	ALL	672575	4342430.64	1.48E-03
221	ALL	668148.8	4342595.6	6.42E-04
222	ALL	668370.1	4342595.6	6.90E-04
223	ALL	668591.4	4342595.6	7.46E-04
224	ALL	668812.7	4342595.6	8.05E-04
225	ALL	669034	4342595.6	8.60E-04
226	ALL	669255.3	4342595.6	9.13E-04
227	ALL	669476.7	4342595.6	1.01E-03
228	ALL	669698	4342595.6	1.20E-03
229	ALL	669919.3	4342595.6	1.36E-03
230	ALL	670140.6	4342595.6	1.64E-03
231	ALL	670361.9	4342595.6	2.40E-03
232	ALL	670583.2	4342595.6	3.91E-03
233	ALL	670804.5	4342595.6	4.56E-03
234	ALL	671025.8	4342595.6	4.49E-03

Mitigated Acute Risk

235	ALL	671247.1	4342595.6	5.14E-03
236	ALL	671468.4	4342595.6	2.14E-03
237	ALL	671689.8	4342595.6	1.99E-03
238	ALL	671911.1	4342595.6	1.50E-03
239	ALL	672132.4	4342595.6	1.57E-03
240	ALL	672353.7	4342595.6	2.14E-03
241	ALL	672575	4342595.6	1.57E-03
242	ALL	668148.8	4342760.56	6.66E-04
243	ALL	668370.1	4342760.56	6.95E-04
244	ALL	668591.4	4342760.56	7.56E-04
245	ALL	668812.7	4342760.56	7.93E-04
246	ALL	669034	4342760.56	8.51E-04
247	ALL	669255.3	4342760.56	9.03E-04
248	ALL	669476.7	4342760.56	9.90E-04
249	ALL	669698	4342760.56	1.36E-03
250	ALL	669919.3	4342760.56	1.43E-03
251	ALL	670140.6	4342760.56	2.24E-03
252	ALL	670361.9	4342760.56	2.55E-03
253	ALL	670583.2	4342760.56	2.88E-03
254	ALL	670804.5	4342760.56	3.90E-03
255	ALL	671025.8	4342760.56	4.23E-03
256	ALL	671247.1	4342760.56	2.65E-03
257	ALL	671468.4	4342760.56	2.16E-03
258	ALL	671689.8	4342760.56	1.55E-03
259	ALL	671911.1	4342760.56	9.36E-04
260	ALL	672132.4	4342760.56	1.35E-03
261	ALL	672353.7	4342760.56	1.84E-03
262	ALL	672575	4342760.56	1.72E-03
263	ALL	668148.8	4342925.52	6.96E-04
264	ALL	668370.1	4342925.52	7.54E-04
265	ALL	668591.4	4342925.52	7.29E-04
266	ALL	668812.7	4342925.52	7.79E-04
267	ALL	669034	4342925.52	8.37E-04
268	ALL	669476.7	4342925.52	1.02E-03
269	ALL	669698	4342925.52	1.31E-03
270	ALL	669919.3	4342925.52	1.81E-03
271	ALL	670140.6	4342925.52	2.25E-03
272	ALL	670361.9	4342925.52	2.64E-03
273	ALL	670583.2	4342925.52	2.67E-03
274	ALL	670804.5	4342925.52	3.12E-03
275	ALL	671025.8	4342925.52	2.08E-03
276	ALL	671247.1	4342925.52	2.07E-03
277	ALL	671468.4	4342925.52	1.41E-03
278	ALL	671689.8	4342925.52	8.68E-04
279	ALL	671911.1	4342925.52	7.25E-04
280	ALL	672132.4	4342925.52	5.05E-04
281	ALL	672353.7	4342925.52	1.31E-03

Mitigated Acute Risk

282	ALL	672575	4342925.52	1.48E-03
283	ALL	668148.8	4343090.48	6.75E-04
284	ALL	668370.1	4343090.48	7.82E-04
285	ALL	668591.4	4343090.48	7.30E-04
286	ALL	669476.7	4343090.48	9.02E-04
287	ALL	669698	4343090.48	1.03E-03
288	ALL	669919.3	4343090.48	1.26E-03
289	ALL	670140.6	4343090.48	1.94E-03
290	ALL	670361.9	4343090.48	1.83E-03
291	ALL	670583.2	4343090.48	1.65E-03
292	ALL	670804.5	4343090.48	2.50E-03
293	ALL	671025.8	4343090.48	1.64E-03
294	ALL	671247.1	4343090.48	1.62E-03
295	ALL	671468.4	4343090.48	8.73E-04
296	ALL	671689.8	4343090.48	5.59E-04
297	ALL	671911.1	4343090.48	5.13E-04
298	ALL	672132.4	4343090.48	4.77E-04
299	ALL	672353.7	4343090.48	4.05E-04
300	ALL	672575	4343090.48	7.33E-04
301	ALL	668148.8	4343255.44	6.72E-04
302	ALL	668370.1	4343255.44	7.85E-04
303	ALL	668591.4	4343255.44	9.71E-04
304	ALL	669476.7	4343255.44	9.17E-04
305	ALL	669698	4343255.44	1.01E-03
306	ALL	669919.3	4343255.44	1.17E-03
307	ALL	670140.6	4343255.44	1.34E-03
308	ALL	670361.9	4343255.44	1.34E-03
309	ALL	670583.2	4343255.44	1.34E-03
310	ALL	670804.5	4343255.44	1.79E-03
311	ALL	671025.8	4343255.44	1.38E-03
312	ALL	671247.1	4343255.44	1.15E-03
313	ALL	671468.4	4343255.44	1.04E-03
314	ALL	671689.8	4343255.44	5.21E-04
315	ALL	671911.1	4343255.44	4.51E-04
316	ALL	672132.4	4343255.44	3.95E-04
317	ALL	672353.7	4343255.44	4.05E-04
318	ALL	672575	4343255.44	3.29E-04
319	ALL	668148.8	4343420.4	6.76E-04
320	ALL	668370.1	4343420.4	7.48E-04
321	ALL	668591.4	4343420.4	8.58E-04
322	ALL	668812.7	4343420.4	9.34E-04
323	ALL	669034	4343420.4	1.02E-03
324	ALL	669255.3	4343420.4	8.47E-04
325	ALL	669476.7	4343420.4	8.67E-04
326	ALL	669698	4343420.4	9.44E-04
327	ALL	669919.3	4343420.4	1.00E-03
328	ALL	670140.6	4343420.4	1.10E-03

Mitigated Acute Risk

329	ALL	670361.9	4343420.4	1.07E-03
330	ALL	670583.2	4343420.4	1.23E-03
331	ALL	670804.5	4343420.4	1.59E-03
332	ALL	671025.8	4343420.4	2.06E-03
333	ALL	671247.1	4343420.4	1.34E-03
334	ALL	671468.4	4343420.4	6.88E-04
335	ALL	671689.8	4343420.4	4.73E-04
336	ALL	671911.1	4343420.4	3.67E-04
337	ALL	672132.4	4343420.4	3.45E-04
338	ALL	672353.7	4343420.4	3.07E-04
339	ALL	672575	4343420.4	2.92E-04
340	ALL	668148.8	4343585.36	6.00E-04
341	ALL	668370.1	4343585.36	6.32E-04
342	ALL	668591.4	4343585.36	7.53E-04
343	ALL	668812.7	4343585.36	7.00E-04
344	ALL	669034	4343585.36	7.40E-04
345	ALL	669255.3	4343585.36	7.90E-04
346	ALL	669476.7	4343585.36	8.39E-04
347	ALL	669698	4343585.36	8.71E-04
348	ALL	669919.3	4343585.36	9.15E-04
349	ALL	670140.6	4343585.36	9.76E-04
350	ALL	670361.9	4343585.36	9.83E-04
351	ALL	670583.2	4343585.36	1.12E-03
352	ALL	670804.5	4343585.36	1.20E-03
353	ALL	671025.8	4343585.36	1.32E-03
354	ALL	671247.1	4343585.36	1.23E-03
355	ALL	671468.4	4343585.36	8.65E-04
356	ALL	671689.8	4343585.36	7.03E-04
357	ALL	671911.1	4343585.36	3.70E-04
358	ALL	672132.4	4343585.36	3.38E-04
359	ALL	672353.7	4343585.36	2.88E-04
360	ALL	672575	4343585.36	2.88E-04
361	ALL	668148.8	4343750.32	5.82E-04
362	ALL	668370.1	4343750.32	6.25E-04
363	ALL	668591.4	4343750.32	6.47E-04
364	ALL	668812.7	4343750.32	6.76E-04
365	ALL	669034	4343750.32	7.70E-04
366	ALL	669255.3	4343750.32	8.01E-04
367	ALL	669476.7	4343750.32	8.11E-04
368	ALL	669698	4343750.32	8.46E-04
369	ALL	669919.3	4343750.32	8.75E-04
370	ALL	670140.6	4343750.32	9.13E-04
371	ALL	670361.9	4343750.32	9.57E-04
372	ALL	670583.2	4343750.32	1.02E-03
373	ALL	670804.5	4343750.32	1.01E-03
374	ALL	671025.8	4343750.32	1.04E-03
375	ALL	671247.1	4343750.32	1.65E-03

Mitigated Acute Risk

376	ALL	671468.4	4343750.32	1.48E-03
377	ALL	671689.8	4343750.32	1.52E-03
378	ALL	671911.1	4343750.32	9.69E-04
379	ALL	672132.4	4343750.32	5.38E-04
380	ALL	672353.7	4343750.32	2.96E-04
381	ALL	672575	4343750.32	2.58E-04
382	ALL	668148.8	4343915.28	5.72E-04
383	ALL	668370.1	4343915.28	6.03E-04
384	ALL	668591.4	4343915.28	6.61E-04
385	ALL	668812.7	4343915.28	6.88E-04
386	ALL	669034	4343915.28	7.68E-04
387	ALL	669255.3	4343915.28	8.19E-04
388	ALL	669476.7	4343915.28	8.08E-04
389	ALL	669698	4343915.28	8.17E-04
390	ALL	669919.3	4343915.28	8.49E-04
391	ALL	670140.6	4343915.28	8.85E-04
392	ALL	670361.9	4343915.28	9.09E-04
393	ALL	670583.2	4343915.28	9.59E-04
394	ALL	670804.5	4343915.28	9.83E-04
395	ALL	671025.8	4343915.28	1.09E-03
396	ALL	671247.1	4343915.28	1.07E-03
397	ALL	671468.4	4343915.28	1.33E-03
398	ALL	671689.8	4343915.28	1.23E-03
399	ALL	671911.1	4343915.28	8.52E-04
400	ALL	672132.4	4343915.28	8.37E-04
401	ALL	672353.7	4343915.28	5.42E-04
402	ALL	672575	4343915.28	4.17E-04
403	ALL	668148.8	4344080.24	5.42E-04
404	ALL	668370.1	4344080.24	5.77E-04
405	ALL	668591.4	4344080.24	6.34E-04
406	ALL	668812.7	4344080.24	6.97E-04
407	ALL	669034	4344080.24	7.67E-04
408	ALL	669255.3	4344080.24	8.26E-04
409	ALL	669476.7	4344080.24	7.66E-04
410	ALL	669698	4344080.24	7.86E-04
411	ALL	669919.3	4344080.24	8.23E-04
412	ALL	670140.6	4344080.24	9.30E-04
413	ALL	670361.9	4344080.24	8.60E-04
414	ALL	670583.2	4344080.24	9.22E-04
415	ALL	670804.5	4344080.24	1.06E-03
416	ALL	671025.8	4344080.24	1.42E-03
417	ALL	671247.1	4344080.24	1.11E-03
418	ALL	671468.4	4344080.24	1.01E-03
419	ALL	671689.8	4344080.24	8.21E-04
420	ALL	671911.1	4344080.24	4.79E-04
421	ALL	672132.4	4344080.24	3.15E-04
422	ALL	672353.7	4344080.24	2.94E-04

Mitigated Acute Risk

423	ALL	672575	4344080.24	2.59E-04
424	ALL	671464.7	4342094.27	7.46E-03
425	ALL	671482.2	4342063.91	6.78E-03
426	ALL	671498.6	4342030.05	6.33E-03
427	ALL	671513.8	4341991.52	5.50E-03
428	ALL	671541.8	4341964.66	5.82E-03
429	ALL	671575.6	4341974	4.23E-03
430	ALL	671460.8	4342162.97	5.65E-03
431	ALL	671451	4342187.35	6.82E-03
432	ALL	671510.7	4342219.66	5.35E-03
433	ALL	671524.1	4342192.84	4.91E-03
434	ALL	671522.9	4342250.74	4.47E-03
435	ALL	671599.1	4342252.57	4.08E-03
436	ALL	671627.8	4342256.84	3.84E-03
437	ALL	671583.9	4342116.03	4.49E-03
438	ALL	671595.5	4342071.54	4.15E-03
439	ALL	671663.1	4342056.3	4.19E-03
440	ALL	671600.9	4342030.09	4.98E-03
441	ALL	671526.6	4342155.65	4.72E-03
442	ALL	671629	4342292.19	2.77E-03
443	ALL	671641.8	4341980.71	4.48E-03
444	ALL	671666.8	4342018.51	4.15E-03
445	ALL	671407.1	4342219.66	5.62E-03
446	ALL	671415.6	4342183.08	7.38E-03
447	ALL	671635.1	4341706.42	5.23E-03
448	ALL	671693.6	4341710.08	4.65E-03
449	ALL	671719.8	4341736.29	4.58E-03
450	ALL	671673.5	4341630.23	4.56E-03
451	ALL	671888	4341936.22	3.89E-03
452	ALL	671977.6	4341952.07	3.18E-03
453	ALL	672039.2	4341894.77	2.09E-03
454	ALL	671858.2	4341753.96	3.80E-03
455	ALL	671922.8	4341634.49	3.31E-03
456	ALL	671613.7	4341791.15	5.52E-03
457	ALL	671853.3	4341730.8	3.77E-03
458	ALL	671783.8	4341585.73	3.84E-03
459	ALL	671783.2	4341546.72	3.69E-03
460	ALL	671769.2	4341461.38	3.41E-03
461	ALL	671800.9	4341420.54	3.26E-03
462	ALL	671880.1	4341427.25	3.25E-03
463	ALL	672012.4	4341504.66	1.90E-03
464	ALL	672084.3	4341547.94	1.90E-03
465	ALL	671915.5	4341478.45	3.20E-03
466	ALL	671903.3	4341564.4	3.28E-03
467	ALL	671863.1	4341522.34	3.39E-03
468	ALL	671830.1	4341336.43	2.99E-03
469	ALL	671835.6	4341287.66	2.95E-03

Mitigated Acute Risk

470	ALL	671825.9	4341275.47	2.91E-03
471	ALL	672136.7	4341370.56	1.31E-03
472	ALL	671920.3	4341307.17	2.79E-03
473	ALL	671695.4	4341257.19	3.19E-03
474	ALL	671682	4341176.12	2.82E-03
475	ALL	671991.7	4341196.23	2.48E-03
476	ALL	672022.1	4341231.59	2.21E-03
477	ALL	671992.3	4341177.95	2.15E-03
478	ALL	671540.6	4341238.29	1.91E-03
479	ALL	671575.3	4341177.95	1.94E-03
480	ALL	671454.7	4341196.23	2.16E-03
481	ALL	671523.5	4341116.38	1.78E-03
482	ALL	671413.2	4341126.74	1.83E-03
483	ALL	671471.1	4341064.57	1.64E-03
484	ALL	671601.6	4341050.55	1.64E-03
485	ALL	671198.6	4341253.53	2.24E-03
486	ALL	671278.5	4341212.08	2.35E-03
487	ALL	671230.3	4341132.84	1.85E-03
488	ALL	671073.1	4341271.82	2.16E-03
489	ALL	671122.5	4341373.61	2.90E-03
490	ALL	671118.8	4341397.38	3.08E-03
491	ALL	670978.4	4341324.15	2.47E-03
492	ALL	670932.9	4341394.21	2.93E-03
493	ALL	670935.2	4341367.36	2.75E-03
494	ALL	671108	4340976.17	1.66E-03
495	ALL	671286.7	4340978.51	1.54E-03
496	ALL	671675.4	4342488.78	2.74E-03
497	ALL	671091.4	4342277.23	8.48E-03
498	ALL	671051.8	4342332.07	6.23E-03
499	ALL	671051.8	4342369.2	6.10E-03
500	ALL	670953	4342360.76	5.66E-03
501	ALL	670695.7	4342235.89	4.08E-03
502	ALL	670545.5	4342318.58	2.90E-03
503	ALL	670711.7	4342488.16	4.34E-03
504	ALL	670648.3	4342501.73	4.40E-03
505	ALL	670648.3	4342630.87	3.32E-03
506	ALL	670806.3	4342728.41	4.01E-03
507	ALL	670688.2	4342739.41	2.81E-03
508	ALL	670804.9	4342427.55	4.58E-03
509	ALL	670439.5	4342471.51	2.55E-03
510	ALL	670358.4	4342578.67	2.33E-03
511	ALL	670546.6	4342662.47	3.62E-03
512	ALL	670537	4342595.15	3.74E-03
513	ALL	670483.5	4342776.5	3.16E-03
514	ALL	670508.2	4342754.52	3.25E-03
515	ALL	670517.8	4342868.54	3.00E-03
516	ALL	670545.3	4342850.69	2.94E-03

Mitigated Acute Risk

517	ALL	670582.4	4342878.16	3.06E-03
518	ALL	670304.9	4342688.57	2.54E-03
519	ALL	670039.7	4342661.1	1.46E-03
520	ALL	670156.5	4342673.46	1.85E-03
521	ALL	670236.2	4342648.73	2.10E-03
522	ALL	670071.3	4342738.03	1.76E-03
523	ALL	669990.2	4342753.14	1.57E-03
524	ALL	669928.4	4342742.15	1.41E-03
525	ALL	669815.8	4342673.46	1.31E-03
526	ALL	669743	4342655.6	1.27E-03
527	ALL	669791	4342744.9	1.39E-03
528	ALL	669696.3	4342731.16	1.32E-03
529	ALL	669536.9	4342552.57	1.04E-03
530	ALL	671174.9	4342280.21	9.47E-03
531	ALL	671068.4	4342169.93	6.76E-03
532	ALL	670965.7	4342179.44	6.51E-03
533	ALL	670815.5	4342198.45	4.42E-03
534	ALL	670737.6	4342097.68	3.89E-03
535	ALL	670762.3	4342069.16	4.04E-03
536	ALL	670817.4	4342040.64	4.43E-03
537	ALL	670895.4	4342025.43	4.65E-03
538	ALL	670979	4341915.15	4.88E-03
539	ALL	671115.9	4341863.81	5.04E-03
540	ALL	671199.6	4341770.65	5.52E-03
541	ALL	671222.4	4341377.07	2.88E-03
542	ALL	671714.8	4341392.28	3.50E-03
543	ALL	671366.9	4341998.81	1.36E-02
544	ALL	671226.2	4342236.48	1.07E-02
545	ALL	669098.4	4343411.59	1.03E-03
546	ALL	668908.6	4343364.56	1.10E-03
547	ALL	668851.5	4343359.52	1.09E-03
548	ALL	668831.4	4343371.27	1.04E-03
549	ALL	668733.9	4343302.41	1.26E-03
550	ALL	668686.9	4343199.95	1.03E-03
551	ALL	668671.8	4343089.09	8.79E-04
552	ALL	668806.2	4343001.74	8.63E-04
553	ALL	668918.7	4343025.26	7.96E-04
554	ALL	669024.5	4342942.95	8.31E-04
555	ALL	669288.2	4342916.08	9.15E-04
556	ALL	669333.6	4342922.8	9.44E-04
557	ALL	669365.5	4342978.23	9.53E-04
558	ALL	669337	4343151.23	8.70E-04
559	ALL	669303.4	4343304.09	8.39E-04
560	ALL	669222.7	4343235.22	8.32E-04
561	ALL	669135.4	4343305.77	1.06E-03

Appendix B

Fugitive Dust TAC Concentrations

Idaho-Maryland Mine Project

Rock Samples - Asbestos Content

Location	Sample	From	To	Length	Description	Rock Type	%	Asbestos Type	Test Method	Weighted Average % Asbestos	Weighted Average Length
I-19-14	Y962827	3280.00	3280.40	0.40	Porphyrite for asbestos sampling	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14	Y962828	3343.20	3343.50	0.30	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14	Y962829	3344.30	3344.70	0.40	Diabase for asbestos testing	db	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14	Y962830	3347.00	3347.30	0.30	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14	Y962831	3360.00	3360.40	0.40	Diabase for asbestos testing	db	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14	Y962832	3385.60	3386.10	0.50	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14A	Y962833	3309.90	3310.20	0.30	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14A	Y962834	3312.90	3313.20	0.30	Diabase for asbestos testing	db	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14A	Y962835	3326.70	3327.00	0.30	Diabase for asbestos testing	db	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14A	Y962836	3320.00	3320.30	0.30	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-18-11	Y962837	1802.60	1803.00	0.40	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-18-12	Y962838	2712.4	2713	0.60	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-13	Y962839	1843.10	1843.40	0.30	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-14	Y962840	2442.60	2443.00	0.40	Porpyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-13	Y962841	3259.90	3260.30	0.40	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-13	Y962842	3269.60	3270.00	0.40	Ankeritized diabase for asbestos sampling	db	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
Tailings	Y962843	668927E	4343310N	Grab	"Old" brown tailings in bank	tails	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
Tailings	Y962844	668816E	4343369N	Grab	"New" grey tailings on flat	tails	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
Blank	Y962845				Carbonate landscape rock	blank	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
Blank	Y962846				Carbonate landscape rock	blank	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-13	Y962847	5090.50	5091.60	1.10	Serpentinite, unmineralized, for asbestos testing. (Duplicate)	sp	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)	0.25	1.10
I-18-11	Y962980	4725.60	4726.50	0.90	Serpentinite unmineralized, for asbestos testing	sp	3.1%	Chrysotile	TEM (EPA 600/R-93/116) CARB 435 Prep Method	3.1	0.90
I-19-13	Y962981	5090.50	5091.60	1.10	Serpentinite, unmineralized, for asbestos testing.	sp	2.0%	Chrysotile	TEM (EPA 600/R-93/116) CARB 435 Prep Method	2	1.10
I-19-13	Y962982	4526.60	4527.00	0.40	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-13	Y962983	4536.90	4537.30	0.40	Ankeritzed diabase/serpentinite for asbestos testing	db/sp	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)	0.25	0.40
I-19-13	Y962984	4652.90	4653.30	0.40	Ankeritzed diabase/serpentinite for asbestos testing	db/sp	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)	0.25	0.40
I-19-13	Y962985	4666.40	4666.90	0.50	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-18-11	Y962986	4264.30	4264.80	0.50	Diabase for asbestos testing	db	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-18-11	Y962987	4284.70	4285.10	0.40	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-18-11	Y962988	4641.80	4642.20	0.40	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-18-11	Y962989	4661.70	4662.20	0.50	Ankeritized diabase/serpentinite for asbestos testing	db/sp	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)	0.25	0.50
I-18-11	Y962990	4016.30	4016.70	0.40	Diabase + porphyrite for asbestos testing	db/pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-18-11	Y962991	4026.20	4026.70	0.50	Diabase for asbestos testing	db	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-18-11	Y962992	4683.10	4683.40	0.30	Weakly ankeritzed diabase/serpentinite for asbestos testing	db/sp	0.75%	Chrysotile	PLM CARB 435-A (400 pt ct)	0.75	0.30
I-19-13A	Y962993	4645.7	4646.1	0.40	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-13A	Y962994	4658.40	4658.80	0.40	Ankeritized serpentinite? for asbestos testing	sp	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)	0.25	0.40
I-19-13A	Y962995	4502.90	4503.20	0.30	Porphyrite for asbestos testing	pt	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
I-19-13A	Y962996	4530.20	4530.60	0.40	Serpentinite for asbestos testing	sp	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)	0.25	0.40
I-19-13A	Y962997	4724.30	4724.70	0.40	Ankeritized serpentinite for asbestos testing	sp	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)	0.25	0.40
I-19-13A	Y962998	4542.40	4542.80	0.40	Mixture porphyrite and serpentinite for asbestos testing	pt/sp	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)	0.25	0.40
I-19-13A	Y962999	4786.60	4787.00	0.40	Weakly ankeritized serpentinite	sp	2.50%	Chrysotile	PLM CARB 435-A (400 pt ct)	2.5	0.40
I-19-14	Y963000	3275.50	3275.90	0.40	Diabase for asbestos testing	db	<0.25%	None Detected	PLM CARB 435-A (400 pt ct)		
										Weighted Average Asbestos	**1.08**

Sample Data Source: Vergence Geo Services Inc. 2020. *Idaho-Maryland Mine Project Asbestos Sampling Memo.* June 2020.

NOTE: Assumed 0.25% (detection limit) for samples with no asbestos detected. Conservative assumption.

Asbestos % Summary by Rock Type

Rock Type	Total # Samples	# Samples Asbestos Detected	Weighted Average Asbestos (%)
Porphyrite (meta-andesite)	17	0	0
Diabase	9	0	0
Serpentinite (including db/sp & pt/sp)	12	4	1.08
Tails	2	0	0
Blanks	2	0	0
TOTAL	**42**	**4**	

Mining Quantity Estimate by Rock Type

	tons per day	Percent of material
Meta-Andesite (Porphyrite)	481.3	96.3%
Altered Meta-Andesite	11.7	2.3%
Diabase	4.7	0.9%
Serpentinite	2.3	0.5%
	500.0	

	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

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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 (O_3) 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 O_3 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: 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}), $PM_{2.5}$, 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 O_3, NO_2, CO, SO_2, PM_{10}, 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 OEHHA 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 O_3 is not emitted directly, air districts have established emissions-based thresholds for O_3 precursors—reactive organic gases (ROG) and oxides of nitrogen (NO_x)—which are intended to serve as a surrogate for an "O_3 significance threshold" (i.e., the potential for adverse O_3 impacts to occur).

The NAAQS and CAAQS for O_3, NO_2, CO, SO_2, PM_{10}, 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/m³)	—	Same as Primary Standard[f]
	8 hours	0.070 ppm (137 µg/m³)	0.070 ppm (137 µg/m³)[f]	
NO_2[g]	1 hour	0.18 ppm (339 µg/m³)	0.100 ppm (188 µg/m³)	Same as Primary Standard
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)	0.053 ppm (100 µg/m³)	
CO	1 hour	20 ppm (23 mg/m³)	35 ppm (40 mg/m³)	None
	8 hours	9.0 ppm (10 mg/m³)	9 ppm (10 mg/m³)	

[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/m³)	0.075 ppm (196 µg/m³)	—
	3 hours	—	—	0.5 ppm (1,300 µg/m³)
	24 hours	0.04 ppm (105 µg/m³)	0.14 ppm (for certain areas)[g]	—
	Annual	—	0.030 ppm (for certain areas)[g]	—
PM_{10}[i]	24 hours	50 µg/m³	150 µg/m³	Same as Primary Standard
	Annual Arithmetic Mean	20 µg/m³	—	
$PM_{2.5}$[i]	24 hours	—	35 µg/m³	Same as Primary Standard
	Annual Arithmetic Mean	12 µg/m³	12.0 µg/m³	15.0 µg/m³

Source: CARB 2016.

Notes: µg/m³ = micrograms per cubic meter; mg/m³= milligrams per cubic meter; ppm = parts per million by volume; O_3 = ozone; NO_2 = nitrogen dioxide; CO = carbon monoxide; SO_2 = sulfur dioxide; 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.

[a] California standards for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, suspended particulate matter (PM_{10}, $PM_{2.5}$), 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 O_3, NO_2, SO_2, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O_3 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 PM_{10}, 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 O_3 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 SO_2 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 SO_2 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 PM_{10} 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 PM_{10} 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 be 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 O_3 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 O_3 and PM_{10} 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 (O_3). O_3 in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, 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 O_3 causes inflammation and irritation of the tissues lining human airways, causing and worsening a variety of symptoms. Exposure to O_3 can reduce the volume of air that the lungs breathe in and cause shortness of breath. O_3 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 O_3 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 O_3 exposure. While there are relatively few studies of O_3'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 O_3 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 O_3 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 O_3 exposure effects. In the ongoing review of O_3, the EPA has identified populations as having adequate evidence for increased risk from O_3 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 O_3 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 O_3 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 O_3 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 (NO_2). 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 AAQS for NO_2, is 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 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 (SO_2). SO_2 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), SO_2 can injure lung tissue and reduce visibility and the level of sunlight. SO_2 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 SO_2 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 SO_2 (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).

SO_2 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 SO_2-induced increase in resistance is greater than in healthy people, and it increases with the severity of their asthma (NRC 2005). SO_2 is thought to induce airway constriction via neural reflexes involving irritant receptors in the airways (NRC 2005).

Particulate Matter (PM_{10} and $PM_{2.5}$). A number of adverse health effects have been associated with exposure to both $PM_{2.5}$ and PM_{10}. 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 PM_{10} 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 PM_{10} are less clear, although several studies suggest a link between long-term PM_{10} 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 PM_{10} 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 O_3 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 O_3, 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). O_3 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). O_3 can also be transported long distances by wind, so even rural areas can experience high O_3 levels (EPA 2018c).

The O_3 reaction is self-perpetuating (or catalytic) in the presence of sunlight because NO_2 is photochemically reformed from nitric oxide (NO). In this way, O_3 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 O_3 (NRC 2005). Although these reactions and interactions are well understood, variability in emission source operations and meteorology creates uncertainty in the modeled O_3 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, O_3 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.

O_3 NAAQS). Thus, in designing control strategies to reduce O_3 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 O_3 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 O_3, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as SO_x and NO_x (SJVAPCD 2015). In general, PM_{10} 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 SO_2 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 O_3 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 O_3 are correlated with increases in the ambient level of O_3 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 O_3 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 O_3 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 O_3, 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 O_3 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 O_3 or PM (SJVAPCD 2015). As discussed previously, the AAQS are established as concentrations of O_3 or PM and not as tonnages of their precursor pollutants (SJVAPCD 2015). The disconnect between the amount of precursor pollutants and the concentration of O_3 or PM formed makes it difficult to determine potential health impacts, which are related to the concentration of O_3 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 O_3 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 O_3 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 O_3 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 O_3 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 O_3, 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 O_3 "takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources" (SCAQMD 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 O_3-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 O_3 levels may not be detected in the regional air quality models that are currently used to determine O_3 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 O_3 (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 O_3 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 O_3 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 O_3 and PM formation and concentrations in a regional context, not a project-specific context. Because of the complexity of O_3 formation, the pounds or tons of emissions from a proposed project in a specific geographical location does not equate to a specific concentration of O_3 formation in a given area, because in addition to emission levels, O_3 formation is affected by atmospheric chemistry, geography, and weather. Secondary formation of PM is very similar to the complexity of O_3 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 O_3 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 O_3 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, SO_2, and $PM_{2.5}$, O_3 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 O_3 and $PM_{2.5}$, which is why the example HIA using BenMAP-CE only quantitatively addressed O_3- and $PM_{2.5}$-related health outcomes. As such, all example HIAs focused on O_3 and $PM_{2.5}$.

BenMAP outputs include O_3- 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):

$$Health\ Effect = Air\ Quality\ Change \times Health\ Effect\ Estimate \times Exposed\ Population \times Background\ Health\ Incidence$$

[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 O_3, 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).

O_3-related health outcomes attributed to the CSDUDH 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 O_3-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 O_3 incidences, which correlates with the estimated high emissions of O_3-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 O_3-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 O_3 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 O_3 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 PM_{10} 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 PM_{10}, 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 PM_{10} during normal operations.

Health effects that result from NO_x (including NO_2) 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 NO_2 because the MCAB is designated as in attainment of the NAAQS and CAAQS for NO_2, and the existing NO_2 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.

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							
NB Left	EB/WB Stop	A	8.2	A	9.2	A	8.2
SB Left		A	7.9	A	8.9	A	7.9
EB		B	11.5	B	14.3	B	11.3
WB		D	26.7	F	107.3	C	18.8
13. Brunswick Rd / Whispering Pines Ln							
NB Left	EB Stop	A	8.8	A	9.1	A	8.5
EB		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	SB Stop	B	13.0	E	38.1	B	13.0
EB Left		A	7.7	A	7.8	A	7.4

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 Stop	A	7.8	A	8.4	A	8.2
EB		B	11.5	B	12.5	B	11.7
17. E. Bennett Rd / Millsite Rd	NB Stop						
NB		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	NB Stop	B	12.2	**F**	**112.3**	B	10.8
WB Left		A	8.4	A	8.5	A	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: AWSC – All-way stop controlled intersection; MSSC – Minor Street Stop controlled intersection; LOS – Level of service.
Bold indicates a LOS of E or worse.

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							
NB Left	EB Stop	A	8.7	A	9.4	A	8.5
EB		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							
NB Left	EB Stop	A	7.8	A	8.5	A	8.1
EB		B	11.4	B	12.9	B	12.2
17. E. Bennett Rd / Millsite Rd							
NB	NB Stop	A	8.6	A	8.7	A	8.6
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

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: AWSC – 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

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 DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (FT)	W (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

JOB: Brunswick&IdahoMaryland2019
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	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	CONC/LINK (PPM) I	J	K	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

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 DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (FT)	W (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

JOB: Brunswick&SR1742019
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (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
2. SR2	188.	9.1	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
4. SR4	347.	9.1	0.0	0.0	0.1	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
2. SR2	0.0	0.0	0.1	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	0.1
4. SR4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

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 DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (FT)	W (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

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SR1	264.	9.2	0.0	0.0	0.0	0.4	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	282.	9.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
4. SR4	277.	9.1	0.0	0.0	0.0	0.1	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	0.0	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

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 DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (FT)	W (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
RUN: STANDARD RUN (WORST CASE ANGLE)
POLLUTANT: CO

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SR1	259.	9.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
2. SR2	256.	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. SR3	5.	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. SR4	278.	9.0	0.0	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	0.0	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