Thrifty Oil Warehouse

MOBILE SOURCE HEALTH RISK ASSESSMENT

COUNTY OF RIVERSIDE

PREPARED BY:

Haseeb Qureshi
hqureshi@urbanxroads.com

Michael Tirohn
mtirohn@urbanxroads.com

MAY 17, 2022

TABLE OF CONTENTS

APPENDICES

LIST OF EXHIBITS

LIST OF TABLES

LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PM10	Particulate Matter 10 microns in diameter or less
Project	Thrifty Oil Warehouse
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TA	Traffic Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

This page intentionally left blank

EXECUTIVE SUMMARY

This report evaluates the potential health risk impacts to sensitive receptors (which are residents) and adjacent workers associated with the development of the Project, more specifically, health risk impacts as a result of exposure to Toxic Air Contaminants (TACs) including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project health risks.

The results of the health risk assessment from Project-generated DPM emissions are provided in Table ES-1, ES-2, and ES-3 below for the Project.

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R3 which is located approximately 367 feet south of the Project site at an existing residence located at 20800 Tobacco Road. R3 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 3.26 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R4 which is located approximately 215 feet northwest of the Project site at an existing residence located at 20601 Tobacco Road. R4 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 0.41 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The modeled receptors are illustrated on Exhibit 2-D.

Worker Exposure Scenario[1]*:*

The worker receptor land use with the greatest potential exposure to Project operational-source DPM emissions is Location R5, which represents the adjacent potential worker receptor approximately 795 feet north of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.03 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on California Air Resources Board (CARB) and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

The 1,000-foot evaluation distance is supported by research-based findings concerning Toxic Air Contaminant (TAC) emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

A one-quarter mile radius, or 1,320 feet, is commonly utilized for identifying sensitive receptors, such as schools, that may be impacted by a proposed project. This radius is more robust than, and therefore provides a more health protective scenario for evaluation than the 1,000-foot impact radius identified above.

There are no schools within ¼ mile of the Project site. The nearest school is Val Verde Elementary School, which is located approximately 3,580 feet east of the Project site. Because there is no reasonable potential that TAC emissions would cause significant health impacts at distances of more than ¼ mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

CONSTRUCTION AND OPERATIONAL IMPACTS

The land use with the greatest potential exposure to Project construction-source and operational-source DPM emissions is Location R3. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source and operational-source DPM emissions is

1 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

estimated at 3.42 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

TABLE ES-1: SUMMARY OF CONSTRUCTION CANCER AND NON-CANCER RISKS

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
2 Year Exposure	Maximum Exposed Sensitive Receptor	3.26	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO

TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.41	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.03	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	≤0.01	1.0	NO

TABLE ES-3: SUMMARY OF CONSTRUCTION AND OPERATIONAL CANCER AND NON-CANCER RISKS

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	3.42	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO

1 INTRODUCTION

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a proposed Project is expected to generate/attract diesel trucks, which emit diesel particulate matter (DPM) or other Toxic Air Contaminants (TACs), preparation of a HRA is necessary. This document serves to meet the SCAQMD's request for preparation of a HRA. This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

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

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

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

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than one (1.0) means that adverse health effects are not expected. In this HRA, non-carcinogenic exposures of less than 1.0 are considered less-than-significant. Both the cancer risk and non-carcinogenic risk thresholds are applied to the nearest sensitive receptors below.

1.1 SITE LOCATION

The proposed Project is located on a 9.15-acre currently vacant site on the northeast corner of Tobacco Road and Water Street in the Mead Valley area of unincorporated County of Riverside, shown on Exhibit 1-A. The Project site is bounded vacant land to the north, east, south, and west.

1.2 PROJECT DESCRIPTION

The Project is proposed to construct a new 194,479 sf warehouse building. A preliminary site plan for the proposed Project is shown on Exhibit 1-B. It is anticipated that the Project would be developed in a single phase with an anticipated Opening Year of 2024. According to the *Thrifty Oil Warehouse Trip Generation Assessment*, the proposed Project is anticipated to generate a total of 334 trip-ends per day with 118 truck trip-ends per day (in actual vehicles) (4).

EXHIBIT 1-A: LOCATION MAP

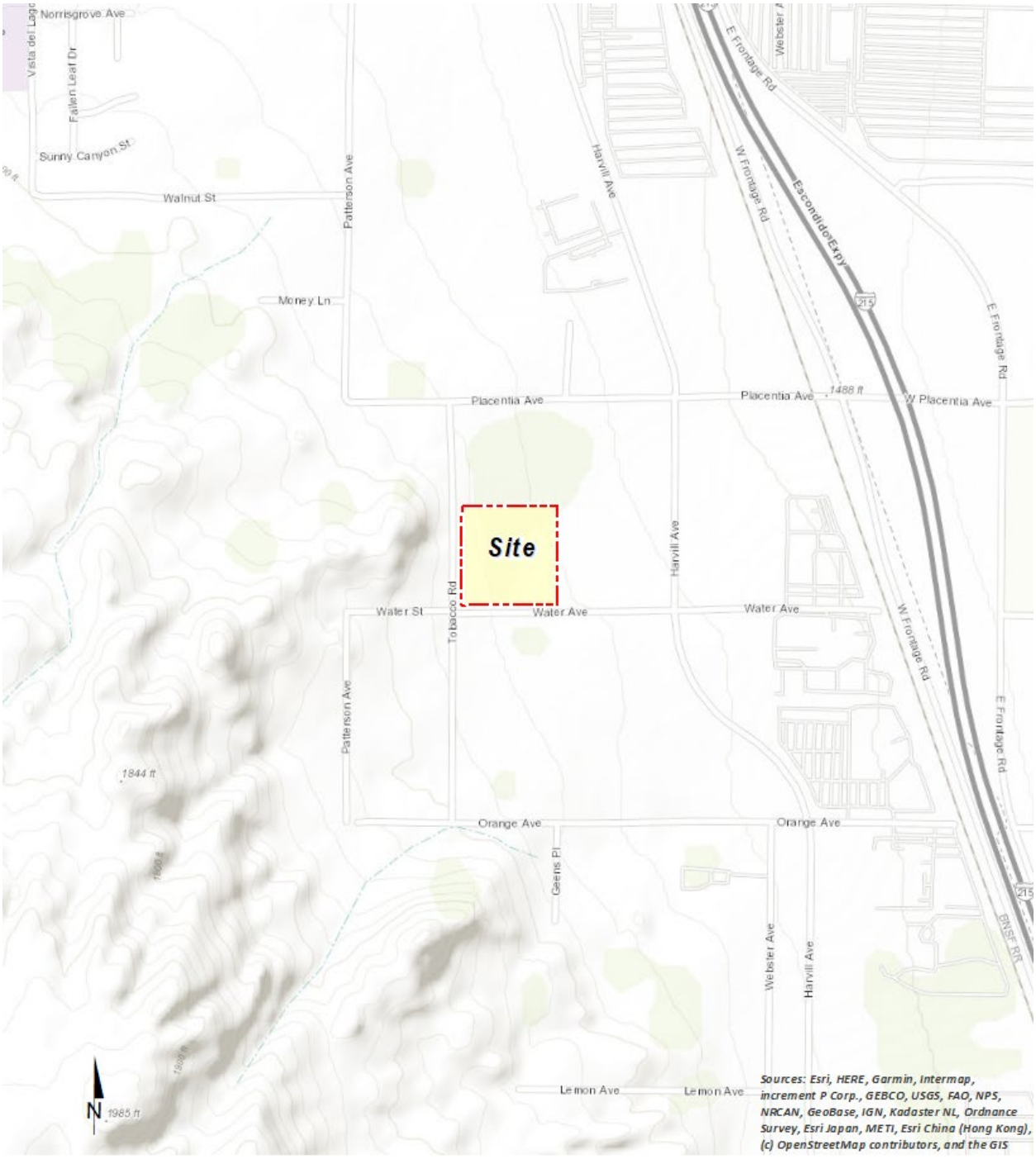


EXHIBIT 1-B: SITE PLAN

This page intentionally left blank

2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on applicable guidelines to produce conservative estimates of human health risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per µg/m3 is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body (95% higher than the average population).
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.[2] The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 CONSTRUCTION HEALTH RISK ASSESSMENT

2.2.1 EMISSIONS CALCULATIONS

The emissions calculations for the construction HRA component are based on an assumed mix of construction equipment and hauling activity as presented in the *Thrifty Oil Warehouse Air Quality Impact Analysis* ("technical study") prepared by Urban Crossroads, Inc. (5)

Construction related DPM emissions are expected to occur primarily as a function of heavy-duty construction equipment that would be operating on-site.

As discussed in the technical study, the Project would result in approximately 261 total working-days of construction activity. The construction duration by phase is shown on Table 2-1. A detailed summary of construction equipment assumptions by phase is provided at Table 2-2. The CalEEMod emissions outputs are presented in Appendix 2.1. The modeled emission sources for construction activity are illustrated on Exhibit 2-A.

[2] Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

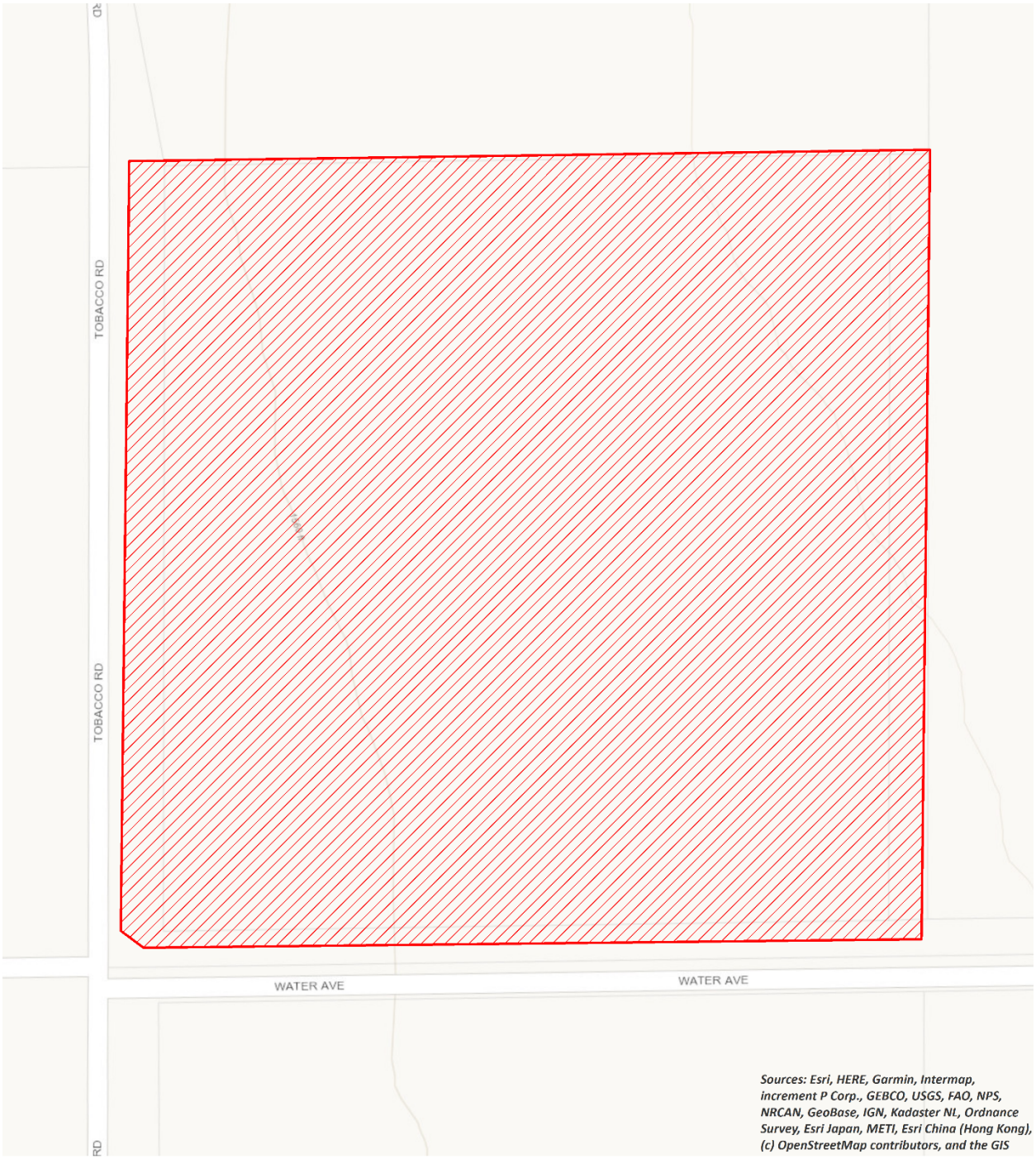
TABLE 2-1: CONSTRUCTION DURATION

Construction Activity	Start Date	End Date	Days
Site Preparation	01/16/2023	01/27/2023	10
Grading	01/28/2023	03/17/2023	35
Building Construction	03/18/2023	02/02/2024	230
Paving	01/08/2024	02/02/2024	20
Architectural Coating	01/08/2024	02/02/2024	20

TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Activity	Equipment	Amount	Hours Per Day
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Crawler Tractors	3	8
	Excavators	1	8
	Graders	1	8
	Rubber Tired Dozers	1	8
Building Construction	Cranes	1	8
	Forklifts	3	8
	Generator Sets	1	8
	Tractors/Loaders/Backhoes	3	8
	Welders	1	8
Pavers	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES



2.3 OPERATIONAL HEALTH RISK ASSESSMENT

2.3.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10µm in diameter (PM_{10}) generated with the 2021 version of the EMission FACtor model (EMFAC) developed by the CARB. EMFAC 2021 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (6). The most recent version of this model, EMFAC 2021, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2021. Emission factors calculated using EMFAC 2021 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2021 in EMFAC Mode for vehicles in the Riverside County jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2024 EMFAC 2021 run was conducted and a static 2024 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2024 emission factors would overstate potential impacts since this approach assumes that emission factors remain "static" and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2024. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 59.7% diesel, Medium-Heavy-Duty Trucks are comprised of 91.3% diesel, and Heavy-Heavy-Duty Trucks are comprised of 95.2% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.2 includes additional details on the emissions estimates from EMFAC.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (7):

$Emissions_{speedA}$ (g/s) = $EF_{RunExhaust}$ (g/VMT) * Distance (VMT/trip) * Number of Trips (trips/day) / seconds per day

Where:

$Emissions_{speedA}$ (g/s): Vehicle emissions at a given speed A;

$EF_{RunExhaust}$ (g/VMT): EMFAC running exhaust PM_{10} emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (7):

$Emissions_{idle}$ (g/s) = EF_{idle} (g/hr) * Number of Trips (trips/day) * Idling Time (min/trip) *

60 minutes per hour / seconds per day

Where:

$Emissions_{idle}$ (g/s): Vehicle emissions during idling;

EF_{idle}(g/s): EMFAC idle exhaust PM_{10} emission factor.

TABLE 2-3: 2024 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.09024 (g/idle-hr)
5	0.02406 (g/s)
25	0.01002 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix 2.3. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-4. The modeled emission sources are illustrated on Exhibit 2-B for on-site sources and Exhibit 2-C for off-site sources. The modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for more than ¾ mile. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (1) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).

EXHIBIT 2-B: MODELED ON-SITE EMISSION SOURCES

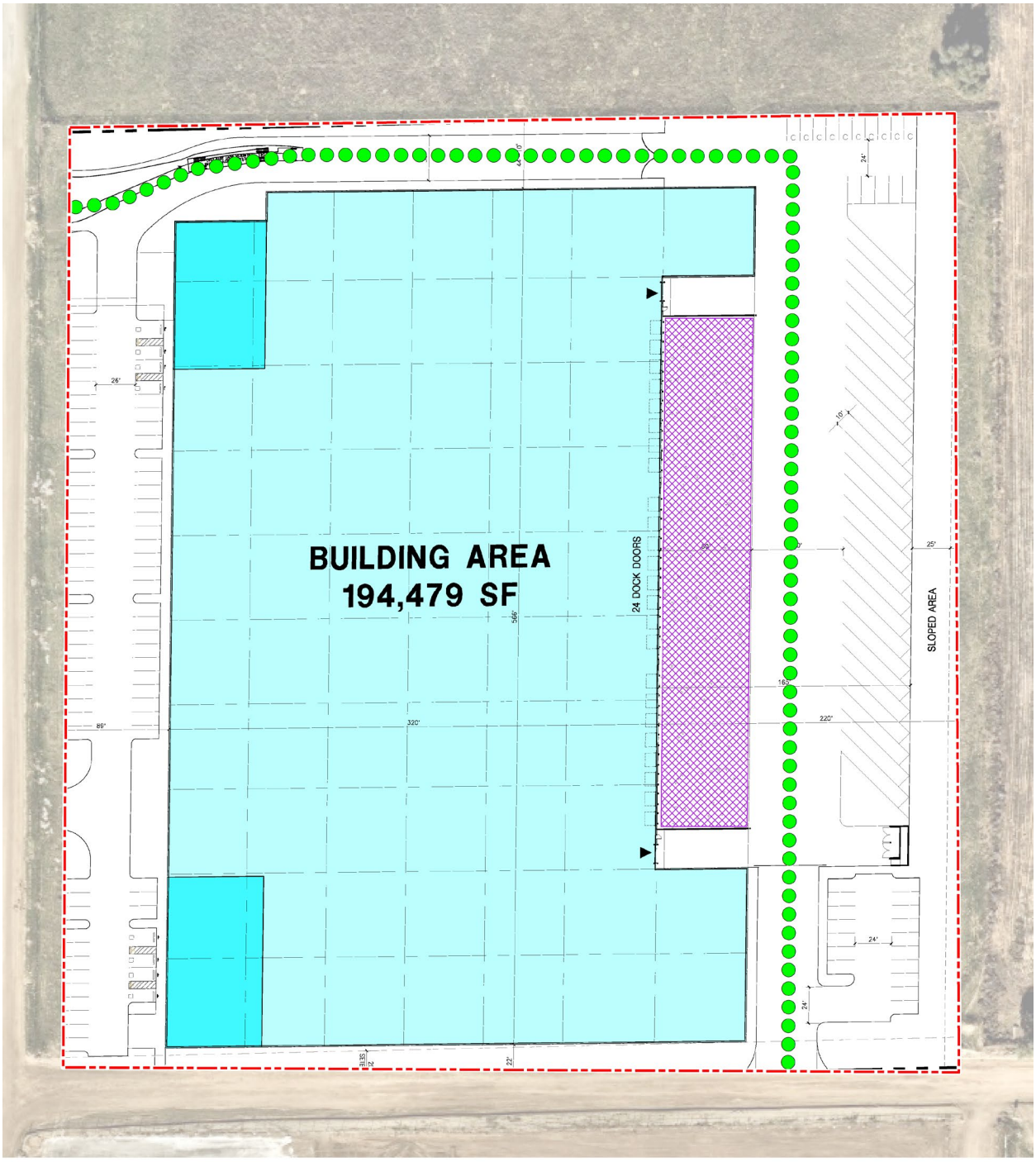


EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES

TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2024 ANALYSIS YEAR)

Truck Emission Rates						
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling	59			0.0902	1.33	1.541E-05
On-Site Travel	118	25.63	0.0241		0.62	7.135E-06
Off-Site Travel - Tobacco Rd/Placentia Ave 50% Inbound/Outbound	59	23.88	0.0100		0.24	2.768E-06
Off-Site Travel - Placentia Ave 50% Inbound/Outbound	59	19.00	0.0100		0.19	2.202E-06
Off-Site Travel - Water St 50% Inbound/Outbound	59	9.64	0.0100		0.10	1.118E-06
Off-Site Travel - Harvill Ave 50% Inbound/Outbound	59	92.32	0.0100		0.92	1.070E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes and each TRU idles for 30 minutes.

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators will be required by State law to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (8), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation.

As summarized in the *Thrifty Oil Warehouse Trip Generation Assessment* prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 334 vehicular trips-ends per day (actual vehicles) which includes 118 two-way truck trips per day (4).

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2). The Environmental Protection Agency's (U.S. EPA's) AERMOD model has been utilized. For purposes of this analysis, the Lakes AERMOD View (Version 10.2.1) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 21112 (9).

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

Model parameters are presented in Table 2-5 (10). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Perris Valley monitoring station was used to represent local weather conditions and prevailing winds (11).

TABLE 2-5: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban (Population 2,189,641)
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project vicinity. The AERMOD dispersion model summary output files for the Project are presented in Appendix 2.3. Modeled sensitive receptors were placed at residential and non-residential locations.

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace's building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents and workers over a period of 30 or 25 years of exposure, respectively. Notwithstanding, as a conservative measure, receptors were placed at either the outdoor living area or the building façade, whichever is closer to the Project site.

For purposes of this HRA, receptors include both residential and non-residential (worker) land uses in the vicinity of the Project. These receptors are included in the HRA since residents and workers may be exposed at these locations over a long-term duration of 30 and 25 years, respectively. This methodology is consistent with SCAQMD and OEHHA recommended guidance.

Any impacts to residents or workers located further away from the Project site than the modeled residential and workers would have a lesser impact than what has already been disclosed in the HRA at the MEIR and MEIW because concentrations dissipate with distance.

All receptors were set to existing elevation height so that only ground-level concentrations are analyzed. United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations (12).

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-6 through 2-8 summarize the Exposure Parameters for Residents and Workers based on 2015 OEHHA Guidelines. Appendix 2.4 includes the detailed risk calculation.

TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
0 to 2	1,090	10	1.05	0.85	275	8

TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1,090	10	2	0.85	350	24
2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	14	0.73	350	24

TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 41	230	1	25	250	12

2.4 CARCINOGENIC CHEMICAL RISK

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time.

Guidance from CARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)-1 to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$DOSEair = (Cair \times [BR/BW] \times A \times EF) \times (1 \times 10^{-6})$$

Where:

DOSEair = chronic daily intake (mg/kg/day)

Cair = concentration of contaminant in air (ug/m3)

[BR/BW] = daily breathing rate normalized to body weight (L/kg BW-day)

A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
1 x 10 -6	=	conversion factors (ug to mg, L to m3)

RISKair = DOSEair x CPF x ED/AT

Where:

DOSEair	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
ED	=	number of years within particular age group
AT	=	averaging time

2.5 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 $\mu g/m^3$ (OEHHA Toxicity Criteria Database, http://www.oehha.org/risk/chemicaldb/index.asp).

The non-cancer hazard index was calculated as follows:

The relationship for the non-cancer health effects of DPM is given by the following equation:

$$HI_{DPM} = C_{DPM}/REL_{DPM}$$

Where:

HI_{DPM}	=	Hazard Index; an expression of the potential for non-cancer health effects.
C_{DPM}	=	Annual average DPM concentration ($\mu g/m^3$).
REL_{DPM}	=	Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity, and thus is less than significant.

2.6 POTENTIAL PROJECT DPM-SOURCE CANCER AND NON-CANCER RISKS

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R3 which is located approximately 367 feet south of the Project site at an existing residence located at 20800 Tobacco Road. R3 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 3.26 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R4 which is located approximately 215 feet northwest of the Project site at an existing residence located at 20601 Tobacco Road. R4 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 0.41 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The modeled receptors are illustrated on Exhibit 2-D.

Worker Exposure Scenario[3]*:*

The worker receptor land use with the greatest potential exposure to Project operational-source DPM emissions is Location R5, which represents the adjacent potential worker receptor approximately 795 feet north of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.03 in one million which is less than the SCAQMD's threshold of 10 in one million.

3 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on California Air Resources Board (CARB) and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

The 1,000-foot evaluation distance is supported by research-based findings concerning Toxic Air Contaminant (TAC) emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

A one-quarter mile radius, or 1,320 feet, is commonly utilized for identifying sensitive receptors, such as schools, that may be impacted by a proposed project. This radius is more robust than, and therefore provides a more health protective scenario for evaluation than the 1,000-foot impact radius identified above.

There are no schools within ¼ mile of the Project site. The nearest school is Val Verde Elementary School, which is located approximately 3,580 feet east of the Project site. Because there is no reasonable potential that TAC emissions would cause significant health impacts at distances of more than ¼ mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

CONSTRUCTION AND OPERATIONAL IMPACTS

The land use with the greatest potential exposure to Project construction-source and operational-source DPM emissions is Location R3. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source and operational-source DPM emissions is estimated at 3.42 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

EXHIBIT 2-D: RECEPTOR LOCATIONS

This page intentionally left blank

3 REFERENCES

1. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
2. **South Coast Air Quality Managment District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
3. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. [Cited: June 6, 2019.] http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf?sfvrsn=2.
4. **Urban Crossroads, Inc.** *Thrifty Oil Warehouse Trip Generation Assessment.* 2022.
5. —. *Thrifty Oil Warehouse Air Quality Impact Analysis.* 2022.
6. **California Air Resources Board.** EMFAC 2021. [Online] https://arb.ca.gov/emfac/.
7. **California Department of Transportation.** EMFAC Software. [Online] http://www.dot.ca.gov/hq/env/air/pages/emfac.htm.
8. **Wong, Jillian.** *Planning, Rule Development & Area Sources.* December 22, 2016.
9. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] 2019. https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf.
10. —. User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] April 2018. https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf.
11. **South Coast Air Quality Management District.** Data for AERMOD. [Online] [Cited: May 9, 2022.] https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod.
12. **Environmental Protection Agency.** User's Guide for the AERMOD Terrain Preprocessor (AERMAP). [Online] 2018. https://gaftp.epa.gov/Air/aqmg/SCRAM/models/related/aermap/aermap_userguide_v18081.pdf.

This page intentionally left blank

4 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Thrifty Oil Warehouse Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me at (949) 660-1994.

Haseeb Qureshi
Associate Principal
URBAN CROSSROADS, INC.
(949) 660-1994
hqureshi@urbanxroads.com

EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June 2013
Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

This page intentionally left blank

APPENDIX 2.1:

CALEEMOD OUTPUTS

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Thrifty Oil Warehouse (Construction - Unmitigated)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	194.48	1000sqft	4.46	194,479.00	0
Other Asphalt Surfaces	122.03	1000sqft	2.80	122,034.00	0
Parking Lot	126.00	Space	0.68	29,352.00	0
City Park	1.20	Acre	1.20	52,233.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project area is 9.14 acres

Construction Phase - Construction schedule based on the 2024 Opening Year and input from the Project Team

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction

Grading -

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	20.00	35.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	MaterialImported	0.00	38,000.00
tblLandUse	LandUseSquareFeet	50,400.00	29,352.00
tblLandUse	LandUseSquareFeet	52,272.00	52,233.00
tblLandUse	LotAcreage	1.13	0.68
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblSolidWaste	SolidWasteGenerationRate	0.10	0.00
tblSolidWaste	SolidWasteGenerationRate	182.81	0.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	65.00	54.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.96	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	44,973,500.00	0.00
tblWater	OutdoorWaterUseRate	1,429,777.62	0.00

2.0 Emissions Summary

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.8986	42.5507	24.1465	0.1213	21.9920	1.7592	23.7512	10.3885	1.6185	12.0070	0.0000	12,503.7103	12,503.7103	1.7879	1.2803	12,922.4887
2024	51.2192	27.7710	42.3375	0.0854	2.7491	1.2322	3.9812	0.7369	1.1533	1.8902	0.0000	8,375.0973	8,375.0973	1.4539	0.1922	8,468.7217
Maximum	**51.2192**	**42.5507**	**42.3375**	**0.1213**	**21.9920**	**1.7592**	**23.7512**	**10.3885**	**1.6185**	**12.0070**	**0.0000**	**12,503.7103**	**12,503.7103**	**1.7879**	**1.2803**	**12,922.4887**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.8986	42.5507	24.1465	0.1213	8.7074	1.7592	10.4667	4.0863	1.6185	5.7048	0.0000	12,503.7103	12,503.7103	1.7879	1.2803	12,922.4887
2024	51.2192	27.7710	42.3375	0.0854	2.7491	1.2322	3.9812	0.7369	1.1533	1.8902	0.0000	8,375.0973	8,375.0973	1.4539	0.1922	8,468.7217
Maximum	**51.2192**	**42.5507**	**42.3375**	**0.1213**	**8.7074**	**1.7592**	**10.4667**	**4.0863**	**1.6185**	**5.7048**	**0.0000**	**12,503.7103**	**12,503.7103**	**1.7879**	**1.2803**	**12,922.4887**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.69	0.00	47.90	56.65	0.00	45.35	0.00	0.00	0.00	0.00	0.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4166	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4166**	**4.1000e-004**	**0.0452**	**0.0000**	**0.0000**	**1.6000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**1.6000e-004**		**0.0971**	**0.0971**	**2.5000e-004**	**0.0000**	**0.1035**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4166	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4166**	**4.1000e-004**	**0.0452**	**0.0000**	**0.0000**	**1.6000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**1.6000e-004**		**0.0971**	**0.0971**	**2.5000e-004**	**0.0000**	**0.1035**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/16/2023	1/27/2023	5	10	
2	Grading	Grading	1/28/2023	3/17/2023	5	35	
3	Building Construction	Building Construction	3/18/2023	2/2/2024	5	230	
4	Paving	Paving	1/8/2024	2/2/2024	5	20	
5	Architectural Coating	Architectural Coating	1/8/2024	2/2/2024	5	20	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 3.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 291,719; Non-Residential Outdoor: 97,240; Striped Parking Area: 9,083 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	8.00	4,750.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	167.00	54.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	3.8307	41.8798	18.2937	0.0569		1.7577	1.7577		1.6171	1.6171		5,514.0891	5,514.0891	1.7834		5,558.6733
Total	**3.8307**	**41.8798**	**18.2937**	**0.0569**	**21.7780**	**1.7577**	**23.5357**	**10.3315**	**1.6171**	**11.9486**		**5,514.0891**	**5,514.0891**	**1.7834**		**5,558.6733**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0653	0.0269	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		37.0542	37.0542	3.8000e-004	5.4800e-003	38.6954
Worker	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	**0.0680**	**0.1060**	**0.6855**	**2.1200e-003**	**0.2140**	**1.5100e-003**	**0.2155**	**0.0571**	**1.4100e-003**	**0.0585**		**215.9275**	**215.9275**	**4.5200e-003**	**9.7000e-003**	**218.9304**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4934	0.0000	8.4934	4.0293	0.0000	4.0293			0.0000			0.0000
Off-Road	3.8307	41.8798	18.2937	0.0569		1.7577	1.7577		1.6171	1.6171	0.0000	5,514.0891	5,514.0891	1.7834		5,558.6733
Total	**3.8307**	**41.8798**	**18.2937**	**0.0569**	**8.4934**	**1.7577**	**10.2511**	**4.0293**	**1.6171**	**5.6464**	**0.0000**	**5,514.0891**	**5,514.0891**	**1.7834**		**5,558.6733**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0653	0.0269	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.4000e-004	4.2300e-003		37.0542	37.0542	3.8000e-004	5.4800e-003	38.6954
Worker	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	**0.0680**	**0.1060**	**0.6855**	**2.1200e-003**	**0.2140**	**1.5100e-003**	**0.2155**	**0.0571**	**1.4100e-003**	**0.0585**		**215.9275**	**215.9275**	**4.5200e-003**	**9.7000e-003**	**218.9304**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8108	0.0000	8.8108	3.6173	0.0000	3.6173			0.0000			0.0000
Off-Road	2.5893	28.7025	14.7877	0.0438		1.1437	1.1437		1.0522	1.0522		4,242.7767	4,242.7767	1.3722		4,277.0817
Total	**2.5893**	**28.7025**	**14.7877**	**0.0438**	**8.8108**	**1.1437**	**9.9545**	**3.6173**	**1.0522**	**4.6695**		**4,242.7767**	**4,242.7767**	**1.3722**		**4,277.0817**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2970	13.5530	3.7269	0.0746	2.3753	0.1636	2.5388	0.6512	0.1565	0.8077		7,963.6557	7,963.6557	0.1130	1.2549	8,340.4298
Vendor	9.0200e-003	0.2614	0.1076	1.4000e-003	0.0512	2.2800e-003	0.0535	0.0148	2.1800e-003	0.0169		148.2168	148.2168	1.5100e-003	0.0219	154.7814
Worker	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	**0.3608**	**13.8482**	**4.3833**	**0.0774**	**2.5942**	**0.1666**	**2.7608**	**0.7104**	**0.1594**	**0.8698**		**8,260.9336**	**8,260.9336**	**0.1179**	**1.2803**	**8,645.4070**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4362	0.0000	3.4362	1.4108	0.0000	1.4108			0.0000			0.0000
Off-Road	2.5893	28.7025	14.7877	0.0438		1.1437	1.1437		1.0522	1.0522	0.0000	4,242.7767	4,242.7767	1.3722		4,277.0817
Total	**2.5893**	**28.7025**	**14.7877**	**0.0438**	**3.4362**	**1.1437**	**4.5799**	**1.4108**	**1.0522**	**2.4629**	**0.0000**	**4,242.7767**	**4,242.7767**	**1.3722**		**4,277.0817**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2970	13.5530	3.7269	0.0746	2.3753	0.1636	2.5388	0.6512	0.1565	0.8077		7,963.6557	7,963.6557	0.1130	1.2549	8,340.4298
Vendor	9.0200e-003	0.2614	0.1076	1.4000e-003	0.0512	2.2800e-003	0.0535	0.0148	2.1800e-003	0.0169		148.2168	148.2168	1.5100e-003	0.0219	154.7814
Worker	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	**0.3608**	**13.8482**	**4.3833**	**0.0774**	**2.5942**	**0.1666**	**2.7608**	**0.7104**	**0.1594**	**0.8698**		**8,260.9336**	**8,260.9336**	**0.1179**	**1.2803**	**8,645.4070**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029		2,738.1535	2,738.1535	0.6670		2,754.8288
Total	**1.6735**	**15.4377**	**17.3101**	**0.0288**		**0.7481**	**0.7481**		**0.7029**	**0.7029**		**2,738.1535**	**2,738.1535**	**0.6670**		**2,754.8288**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0609	1.7642	0.7264	9.4400e-003	0.3459	0.0154	0.3612	0.0996	0.0147	0.1143		1,000.4634	1,000.4634	0.0102	0.1478	1,044.7743
Worker	0.6098	0.3768	6.1101	0.0164	1.8667	8.7300e-003	1.8754	0.4951	8.0400e-003	0.5031		1,659.5464	1,659.5464	0.0384	0.0392	1,672.1806
Total	**0.6706**	**2.1410**	**6.8365**	**0.0259**	**2.2125**	**0.0241**	**2.2366**	**0.5946**	**0.0227**	**0.6174**		**2,660.0098**	**2,660.0098**	**0.0486**	**0.1870**	**2,716.9549**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029	0.0000	2,738.1535	2,738.1535	0.6670		2,754.8288
Total	**1.6735**	**15.4377**	**17.3101**	**0.0288**		**0.7481**	**0.7481**		**0.7029**	**0.7029**	**0.0000**	**2,738.1535**	**2,738.1535**	**0.6670**		**2,754.8288**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0609	1.7642	0.7264	9.4400e-003	0.3459	0.0154	0.3612	0.0996	0.0147	0.1143		1,000.4634	1,000.4634	0.0102	0.1478	1,044.7743
Worker	0.6098	0.3768	6.1101	0.0164	1.8667	8.7300e-003	1.8754	0.4951	8.0400e-003	0.5031		1,659.5464	1,659.5464	0.0384	0.0392	1,672.1806
Total	**0.6706**	**2.1410**	**6.8365**	**0.0259**	**2.2125**	**0.0241**	**2.2366**	**0.5946**	**0.0227**	**0.6174**		**2,660.0098**	**2,660.0098**	**0.0486**	**0.1870**	**2,716.9549**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.7124	2,738.7124	0.6635		2,755.3009
Total	**1.5670**	**14.4249**	**17.2270**	**0.0288**		**0.6565**	**0.6565**		**0.6166**	**0.6166**		**2,738.7124**	**2,738.7124**	**0.6635**		**2,755.3009**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0599	1.7644	0.7181	9.2900e-003	0.3459	0.0153	0.3611	0.0996	0.0146	0.1142		985.0441	985.0441	0.0106	0.1453	1,028.6197
Worker	0.5683	0.3356	5.7115	0.0159	1.8667	8.3300e-003	1.8750	0.4951	7.6700e-003	0.5027		1,606.7183	1,606.7183	0.0348	0.0364	1,618.4339
Total	**0.6282**	**2.1000**	**6.4296**	**0.0252**	**2.2125**	**0.0236**	**2.2361**	**0.5946**	**0.0223**	**0.6169**		**2,591.7625**	**2,591.7625**	**0.0453**	**0.1817**	**2,647.0536**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009
Total	**1.5670**	**14.4249**	**17.2270**	**0.0288**		**0.6565**	**0.6565**		**0.6166**	**0.6166**	**0.0000**	**2,738.7123**	**2,738.7123**	**0.6635**		**2,755.3009**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0599	1.7644	0.7181	9.2900e-003	0.3459	0.0153	0.3611	0.0996	0.0146	0.1142		985.0441	985.0441	0.0106	0.1453	1,028.6197
Worker	0.5683	0.3356	5.7115	0.0159	1.8667	8.3300e-003	1.8750	0.4951	7.6700e-003	0.5027		1,606.7183	1,606.7183	0.0348	0.0364	1,618.4339
Total	**0.6282**	**2.1000**	**6.4296**	**0.0252**	**2.2125**	**0.0236**	**2.2361**	**0.5946**	**0.0223**	**0.6169**		**2,591.7625**	**2,591.7625**	**0.0453**	**0.1817**	**2,647.0536**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4559					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4440**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	**0.0510**	**0.0301**	**0.5130**	**1.4300e-003**	**0.1677**	**7.5000e-004**	**0.1684**	**0.0445**	**6.9000e-004**	**0.0452**		**144.3160**	**144.3160**	**3.1200e-003**	**3.2700e-003**	**145.3683**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4559					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4440**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	**0.0510**	**0.0301**	**0.5130**	**1.4300e-003**	**0.1677**	**7.5000e-004**	**0.1684**	**0.0445**	**6.9000e-004**	**0.0452**		**144.3160**	**144.3160**	**3.1200e-003**	**3.2700e-003**	**145.3683**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.1756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	**47.4166**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**		**375.2641**	**375.2641**	**0.0211**		**375.7923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1123	0.0663	1.1286	3.1400e-003	0.3689	1.6500e-003	0.3705	0.0978	1.5100e-003	0.0993		317.4952	317.4952	6.8700e-003	7.1900e-003	319.8103
Total	**0.1123**	**0.0663**	**1.1286**	**3.1400e-003**	**0.3689**	**1.6500e-003**	**0.3705**	**0.0978**	**1.5100e-003**	**0.0993**		**317.4952**	**317.4952**	**6.8700e-003**	**7.1900e-003**	**319.8103**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.1756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923
Total	**47.4166**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**	**0.0000**	**375.2641**	**375.2641**	**0.0211**		**375.7923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1123	0.0663	1.1286	3.1400e-003	0.3689	1.6500e-003	0.3705	0.0978	1.5100e-003	0.0993		317.4952	317.4952	6.8700e-003	7.1900e-003	319.8103
Total	**0.1123**	**0.0663**	**1.1286**	**3.1400e-003**	**0.3689**	**1.6500e-003**	**0.3705**	**0.0978**	**1.5100e-003**	**0.0993**		**317.4952**	**317.4952**	**6.8700e-003**	**7.1900e-003**	**319.8103**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189
Other Asphalt Surfaces	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189
Parking Lot	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189
Unrefrigerated Warehouse-No Rail	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4166	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Unmitigated	4.4166	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5055					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9070					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.1800e-003	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Total	**4.4166**	**4.1000e-004**	**0.0452**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**		**0.0971**	**0.0971**	**2.5000e-004**		**0.1035**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5055					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9070					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.1800e-003	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Total	**4.4166**	**4.1000e-004**	**0.0452**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**		**0.0971**	**0.0971**	**2.5000e-004**		**0.1035**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Thrifty Oil Warehouse (Construction - Unmitigated)

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	194.48	1000sqft	4.46	194,479.00	0
Other Asphalt Surfaces	122.03	1000sqft	2.80	122,034.00	0
Parking Lot	126.00	Space	0.68	29,352.00	0
City Park	1.20	Acre	1.20	52,233.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project area is 9.14 acres

Construction Phase - Construction schedule based on the 2024 Opening Year and input from the Project Team

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction

Grading -

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	20.00	35.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	MaterialImported	0.00	38,000.00
tblLandUse	LandUseSquareFeet	50,400.00	29,352.00
tblLandUse	LandUseSquareFeet	52,272.00	52,233.00
tblLandUse	LotAcreage	1.13	0.68
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblSolidWaste	SolidWasteGenerationRate	0.10	0.00
tblSolidWaste	SolidWasteGenerationRate	182.81	0.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	65.00	54.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.96	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	44,973,500.00	0.00
tblWater	OutdoorWaterUseRate	1,429,777.62	0.00

2.0 Emissions Summary

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.8943	43.3754	23.0224	0.1212	21.9920	1.7592	23.7512	10.3885	1.6185	12.0070	0.0000	12,502.5350	12,502.5350	1.7879	1.2824	12,921.9168
2024	51.1709	27.8939	40.9825	0.0835	2.7491	1.2322	3.9813	0.7369	1.1534	1.8903	0.0000	8,183.6717	8,183.6717	1.4537	0.1938	8,277.7563
Maximum	**51.1709**	**43.3754**	**40.9825**	**0.1212**	**21.9920**	**1.7592**	**23.7512**	**10.3885**	**1.6185**	**12.0070**	**0.0000**	**12,502.5350**	**12,502.5350**	**1.7879**	**1.2824**	**12,921.9168**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.8943	43.3754	23.0224	0.1212	8.7074	1.7592	10.4667	4.0863	1.6185	5.7048	0.0000	12,502.5350	12,502.5350	1.7879	1.2824	12,921.9168
2024	51.1709	27.8939	40.9825	0.0835	2.7491	1.2322	3.9813	0.7369	1.1534	1.8903	0.0000	8,183.6717	8,183.6717	1.4537	0.1938	8,277.7563
Maximum	**51.1709**	**43.3754**	**40.9825**	**0.1212**	**8.7074**	**1.7592**	**10.4667**	**4.0863**	**1.6185**	**5.7048**	**0.0000**	**12,502.5350**	**12,502.5350**	**1.7879**	**1.2824**	**12,921.9168**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.69	0.00	47.90	56.65	0.00	45.35	0.00	0.00	0.00	0.00	0.00	0.00

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4166	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4166**	**4.1000e-004**	**0.0452**	**0.0000**	**0.0000**	**1.6000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**1.6000e-004**		**0.0971**	**0.0971**	**2.5000e-004**	**0.0000**	**0.1035**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.4166	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4166**	**4.1000e-004**	**0.0452**	**0.0000**	**0.0000**	**1.6000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**1.6000e-004**		**0.0971**	**0.0971**	**2.5000e-004**	**0.0000**	**0.1035**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/16/2023	1/27/2023	5	10	
2	Grading	Grading	1/28/2023	3/17/2023	5	35	
3	Building Construction	Building Construction	3/18/2023	2/2/2024	5	230	
4	Paving	Paving	1/8/2024	2/2/2024	5	20	
5	Architectural Coating	Architectural Coating	1/8/2024	2/2/2024	5	20	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 3.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 291,719; Non-Residential Outdoor: 97,240; Striped Parking Area: 9,083 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	8.00	4,750.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	167.00	54.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	33.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	3.8307	41.8798	18.2937	0.0569		1.7577	1.7577		1.6171	1.6171		5,514.0891	5,514.0891	1.7834		5,558.6733
Total	**3.8307**	**41.8798**	**18.2937**	**0.0569**	**21.7780**	**1.7577**	**23.5357**	**10.3315**	**1.6171**	**11.9486**		**5,514.0891**	**5,514.0891**	**1.7834**		**5,558.6733**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0693	0.0278	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.5000e-004	4.2300e-003		37.1462	37.1462	3.7000e-004	5.4900e-003	38.7926
Worker	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	**0.0637**	**0.1114**	**0.5626**	**1.9500e-003**	**0.2140**	**1.5100e-003**	**0.2155**	**0.0571**	**1.4200e-003**	**0.0585**		**199.2224**	**199.2224**	**4.4900e-003**	**9.8100e-003**	**202.2597**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4934	0.0000	8.4934	4.0293	0.0000	4.0293			0.0000			0.0000
Off-Road	3.8307	41.8798	18.2937	0.0569		1.7577	1.7577		1.6171	1.6171	0.0000	5,514.0891	5,514.0891	1.7834		5,558.6733
Total	**3.8307**	**41.8798**	**18.2937**	**0.0569**	**8.4934**	**1.7577**	**10.2511**	**4.0293**	**1.6171**	**5.6464**	**0.0000**	**5,514.0891**	**5,514.0891**	**1.7834**		**5,558.6733**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0900e-003	0.0693	0.0278	3.5000e-004	0.0128	5.7000e-004	0.0134	3.6900e-003	5.5000e-004	4.2300e-003		37.1462	37.1462	3.7000e-004	5.4900e-003	38.7926
Worker	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	**0.0637**	**0.1114**	**0.5626**	**1.9500e-003**	**0.2140**	**1.5100e-003**	**0.2155**	**0.0571**	**1.4200e-003**	**0.0585**		**199.2224**	**199.2224**	**4.4900e-003**	**9.8100e-003**	**202.2597**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8108	0.0000	8.8108	3.6173	0.0000	3.6173			0.0000			0.0000
Off-Road	2.5893	28.7025	14.7877	0.0438		1.1437	1.1437		1.0522	1.0522		4,242.7767	4,242.7767	1.3722		4,277.0817
Total	**2.5893**	**28.7025**	**14.7877**	**0.0438**	**8.8108**	**1.1437**	**9.9545**	**3.6173**	**1.0522**	**4.6695**		**4,242.7767**	**4,242.7767**	**1.3722**		**4,277.0817**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2730	14.3605	3.8054	0.0747	2.3753	0.1638	2.5391	0.6512	0.1567	0.8079		7,976.1101	7,976.1101	0.1118	1.2568	8,353.4422
Vendor	8.3500e-003	0.2772	0.1112	1.4000e-003	0.0512	2.2800e-003	0.0535	0.0148	2.1900e-003	0.0169		148.5846	148.5846	1.4800e-003	0.0220	155.1702
Worker	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	**0.3327**	**14.6728**	**4.3622**	**0.0774**	**2.5942**	**0.1669**	**2.7610**	**0.7104**	**0.1596**	**0.8700**		**8,259.7583**	**8,259.7583**	**0.1167**	**1.2824**	**8,644.8351**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4362	0.0000	3.4362	1.4108	0.0000	1.4108			0.0000			0.0000
Off-Road	2.5893	28.7025	14.7877	0.0438		1.1437	1.1437		1.0522	1.0522	0.0000	4,242.7767	4,242.7767	1.3722		4,277.0817
Total	**2.5893**	**28.7025**	**14.7877**	**0.0438**	**3.4362**	**1.1437**	**4.5799**	**1.4108**	**1.0522**	**2.4629**	**0.0000**	**4,242.7767**	**4,242.7767**	**1.3722**		**4,277.0817**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2730	14.3605	3.8054	0.0747	2.3753	0.1638	2.5391	0.6512	0.1567	0.8079		7,976.1101	7,976.1101	0.1118	1.2568	8,353.4422
Vendor	8.3500e-003	0.2772	0.1112	1.4000e-003	0.0512	2.2800e-003	0.0535	0.0148	2.1900e-003	0.0169		148.5846	148.5846	1.4800e-003	0.0220	155.1702
Worker	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	**0.3327**	**14.6728**	**4.3622**	**0.0774**	**2.5942**	**0.1669**	**2.7610**	**0.7104**	**0.1596**	**0.8700**		**8,259.7583**	**8,259.7583**	**0.1167**	**1.2824**	**8,644.8351**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029		2,738.1535	2,738.1535	0.6670		2,754.8288
Total	**1.6735**	**15.4377**	**17.3101**	**0.0288**		**0.7481**	**0.7481**		**0.7029**	**0.7029**		**2,738.1535**	**2,738.1535**	**0.6670**		**2,754.8288**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0564	1.8710	0.7509	9.4600e-003	0.3459	0.0154	0.3613	0.0996	0.0148	0.1143		1,002.9463	1,002.9463	0.0100	0.1483	1,047.3989
Worker	0.5715	0.3909	4.9615	0.0149	1.8667	8.7300e-003	1.8754	0.4951	8.0400e-003	0.5031		1,503.7072	1,503.7072	0.0382	0.0401	1,516.6120
Total	**0.6279**	**2.2619**	**5.7123**	**0.0243**	**2.2125**	**0.0242**	**2.2367**	**0.5946**	**0.0228**	**0.6174**		**2,506.6535**	**2,506.6535**	**0.0482**	**0.1884**	**2,564.0109**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029	0.0000	2,738.1535	2,738.1535	0.6670		2,754.8288
Total	**1.6735**	**15.4377**	**17.3101**	**0.0288**		**0.7481**	**0.7481**		**0.7029**	**0.7029**	**0.0000**	**2,738.1535**	**2,738.1535**	**0.6670**		**2,754.8288**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0564	1.8710	0.7509	9.4600e-003	0.3459	0.0154	0.3613	0.0996	0.0148	0.1143		1,002.9463	1,002.9463	0.0100	0.1483	1,047.3989
Worker	0.5715	0.3909	4.9615	0.0149	1.8667	8.7300e-003	1.8754	0.4951	8.0400e-003	0.5031		1,503.7072	1,503.7072	0.0382	0.0401	1,516.6120
Total	**0.6279**	**2.2619**	**5.7123**	**0.0243**	**2.2125**	**0.0242**	**2.2367**	**0.5946**	**0.0228**	**0.6174**		**2,506.6535**	**2,506.6535**	**0.0482**	**0.1884**	**2,564.0109**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.7124	2,738.7124	0.6635		2,755.3009
Total	**1.5670**	**14.4249**	**17.2270**	**0.0288**		**0.6565**	**0.6565**		**0.6166**	**0.6166**		**2,738.7124**	**2,738.7124**	**0.6635**		**2,755.3009**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0554	1.8713	0.7425	9.3100e-003	0.3459	0.0153	0.3612	0.0996	0.0147	0.1142		987.5059	987.5059	0.0104	0.1458	1,031.2197
Worker	0.5342	0.3481	4.6401	0.0144	1.8667	8.3300e-003	1.8750	0.4951	7.6700e-003	0.5027		1,456.1174	1,456.1174	0.0347	0.0372	1,468.0831
Total	**0.5897**	**2.2193**	**5.3825**	**0.0237**	**2.2125**	**0.0236**	**2.2362**	**0.5946**	**0.0223**	**0.6169**		**2,443.6233**	**2,443.6233**	**0.0451**	**0.1831**	**2,499.3028**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009
Total	**1.5670**	**14.4249**	**17.2270**	**0.0288**		**0.6565**	**0.6565**		**0.6166**	**0.6166**	**0.0000**	**2,738.7123**	**2,738.7123**	**0.6635**		**2,755.3009**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0554	1.8713	0.7425	9.3100e-003	0.3459	0.0153	0.3612	0.0996	0.0147	0.1142		987.5059	987.5059	0.0104	0.1458	1,031.2197
Worker	0.5342	0.3481	4.6401	0.0144	1.8667	8.3300e-003	1.8750	0.4951	7.6700e-003	0.5027		1,456.1174	1,456.1174	0.0347	0.0372	1,468.0831
Total	**0.5897**	**2.2193**	**5.3825**	**0.0237**	**2.2125**	**0.0236**	**2.2362**	**0.5946**	**0.0223**	**0.6169**		**2,443.6233**	**2,443.6233**	**0.0451**	**0.1831**	**2,499.3028**

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4559					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4440**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	**0.0480**	**0.0313**	**0.4168**	**1.2900e-003**	**0.1677**	**7.5000e-004**	**0.1684**	**0.0445**	**6.9000e-004**	**0.0452**		**130.7890**	**130.7890**	**3.1200e-003**	**3.3500e-003**	**131.8638**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.4559					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4440**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	**0.0480**	**0.0313**	**0.4168**	**1.2900e-003**	**0.1677**	**7.5000e-004**	**0.1684**	**0.0445**	**6.9000e-004**	**0.0452**		**130.7890**	**130.7890**	**3.1200e-003**	**3.3500e-003**	**131.8638**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.1756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	**47.4166**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**		**375.2641**	**375.2641**	**0.0211**		**375.7923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1056	0.0688	0.9169	2.8500e-003	0.3689	1.6500e-003	0.3705	0.0978	1.5100e-003	0.0993		287.7358	287.7358	6.8600e-003	7.3600e-003	290.1003
Total	**0.1056**	**0.0688**	**0.9169**	**2.8500e-003**	**0.3689**	**1.6500e-003**	**0.3705**	**0.0978**	**1.5100e-003**	**0.0993**		**287.7358**	**287.7358**	**6.8600e-003**	**7.3600e-003**	**290.1003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	47.1756					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923
Total	**47.4166**	**1.6251**	**2.4135**	**3.9600e-003**		**0.0812**	**0.0812**		**0.0812**	**0.0812**	**0.0000**	**375.2641**	**375.2641**	**0.0211**		**375.7923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1056	0.0688	0.9169	2.8500e-003	0.3689	1.6500e-003	0.3705	0.0978	1.5100e-003	0.0993		287.7358	287.7358	6.8600e-003	7.3600e-003	290.1003
Total	**0.1056**	**0.0688**	**0.9169**	**2.8500e-003**	**0.3689**	**1.6500e-003**	**0.3705**	**0.0978**	**1.5100e-003**	**0.0993**		**287.7358**	**287.7358**	**6.8600e-003**	**7.3600e-003**	**290.1003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189
Other Asphalt Surfaces	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189
Parking Lot	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189
Unrefrigerated Warehouse-No Rail	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Thrifty Oil Warehouse (Construction - Unmitigated) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4166	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Unmitigated	4.4166	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5055					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9070					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.1800e-003	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Total	**4.4166**	**4.1000e-004**	**0.0452**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**		**0.0971**	**0.0971**	**2.5000e-004**		**0.1035**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5055					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9070					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.1800e-003	4.1000e-004	0.0452	0.0000		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004		0.0971	0.0971	2.5000e-004		0.1035
Total	**4.4166**	**4.1000e-004**	**0.0452**	**0.0000**		**1.6000e-004**	**1.6000e-004**		**1.6000e-004**	**1.6000e-004**		**0.0971**	**0.0971**	**2.5000e-004**		**0.1035**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

This page intentionally left blank

APPENDIX 2.2:

EMFAC EMISSIONS SUMMARY

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Site Preparation	1.76	10	17.577	1.7577	0.2197125
Exhaust PM-10	Grading	1.14	35	40.0295	1.1437	0.1429625
	Building Construction	0.70	230	161.529	0.7023	0.0877875
	Paving	0.47	20	9.37	0.4685	0.0585625
	Architectural Coatings	0.08	20	1.624	0.0812	0.01015
		4.15	275	230.1295	0.836834545	0.104604318
Off-Site	Site Preparation	1.51E-03	10	0.0151	0.00151	0.00018875
Exhaust PM-10	Grading	1.67E-01	35	5.831	0.1666	0.020825
	Building Construction	2.39E-02	230	5.4855	0.02385	0.00298125
	Paving	7.50E-04	20	0.015	0.00075	0.00009375
	Architectural Coatings	1.65E-03	20	0.033	0.00165	0.00020625
		1.94E-01	275	11.3796	0.041380364	0.005172545

	Phase	Start Date	End Date	No. Days
	Site Preparation	1/16/2023	1/27/2023	10
	Grading	1/28/2023	3/17/2023	35
	Building Construction	3/18/2023	2/2/2024	230
	Paving	1/8/2024	2/2/2024	20
	Arch Coatings	1/8/2024	2/2/2024	20
			Total Days of Construction	**275**

AVERAGE EMISSION FACTOR
RIVERSIDE COUNTY 2024

Speed	LHD1	LHD2	MHD	HHD
0	0.364164	0.578609	0.062209	0.01271
5	0.048579	0.069107	0.036909	0.01206
25	0.022221	0.03303	0.009618	0.00621

Speed	**Weighted Average Emissions**
0	**0.09024**
5	**0.02406**
25	**0.01002**

Truck Emission Rates

Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling	59			0.0902	1.33	1.541E-05
On-Site Travel	118	25.63	0.0241		0.62	7.135E-06
Off-Site Travel - Tobacco Rd/Placentia Ave 50% Inbound/Outbound	59	23.88	0.0100		0.24	2.768E-06
Off-Site Travel - Placentia Ave 50% Inbound/Outbound	59	19.00	0.0100		0.19	2.202E-06
Off-Site Travel - Water St 50% Inbound/Outbound	59	9.64	0.0100		0.10	1.118E-06
Off-Site Travel - Harvill Ave 50% Inbound/Outbound	59	92.32	0.0100		0.92	1.070E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes and each TRU idles for 30 minutes.

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatur	relative_hu	process	speed_tim	pollutant	emission_rate
2024	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5	PM10	0.012665
2024	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25	PM10	0.006524
2024	Annual	Riverside (	HHDT	Dsl			IDLEX		PM10	0.013354
2024	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.105382
2024	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.048204
2024	Annual	Riverside (	LHDT1	Dsl			IDLEX		PM10	0.789975
2024	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	5	PM10	0.094294
2024	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	25	PM10	0.045068
2024	Annual	Riverside (	LHDT2	Dsl			IDLEX		PM10	0.789487
2024	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5	PM10	0.040436
2024	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25	PM10	0.010537
2024	Annual	Riverside (	MHDT	Dsl			IDLEX		PM10	0.068154

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar `	Vehicle Ca	Model Yea	Speed	Fuel	Population
Riverside	2024	HHDT	Aggregate	Aggregate	Gasoline	7.58948
Riverside	2024	HHDT	Aggregate	Aggregate	Diesel	14792
Riverside	2024	HHDT	Aggregate	Aggregate	Natural Ga	740.071
Riverside	2024	LHDT1	Aggregate	Aggregate	Gasoline	17828.7
Riverside	2024	LHDT1	Aggregate	Aggregate	Diesel	15247.6
Riverside	2024	LHDT2	Aggregate	Aggregate	Gasoline	2494.68
Riverside	2024	LHDT2	Aggregate	Aggregate	Diesel	6844.93
Riverside	2024	MHDT	Aggregate	Aggregate	Gasoline	1238
Riverside	2024	MHDT	Aggregate	Aggregate	Diesel	12954.4
Riverside	2024	MHDT	Aggregate	Aggregate	Natural Ga	158.047

HHDT% GAS/NG	0.04811
HHDT% DSL	0.95189
LHDT1% GAS	0.53902
LHDT1% DSL	0.46098
LHDT2% GAS	0.26711
LHDT2% DSL	0.73289
MHDT% GAS	0.08723
MHDT% DSL	0.91277

This page intentionally left blank

APPENDIX 2.3:

AERMOD MODEL INPUT/OUTPUT

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 5/16/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Construction\14421
Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "14421 Construction.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Offsite Tobacco Placentia
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.000651409
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 476817.620, 3742342.643, 478.07, 3.49, 4.00
** 476812.031, 3742563.721, 473.81, 3.49, 4.00
** 477242.078, 3742573.968, 458.16, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000544     VOLUME   476817.511 3742346.936 477.46
   LOCATION L0000545     VOLUME   476817.294 3742355.524 477.19
   LOCATION L0000546     VOLUME   476817.077 3742364.111 476.92
   LOCATION L0000547     VOLUME   476816.860 3742372.698 476.87
   LOCATION L0000548     VOLUME   476816.643 3742381.285 476.88
   LOCATION L0000549     VOLUME   476816.426 3742389.873 476.90
   LOCATION L0000550     VOLUME   476816.209 3742398.460 476.91
   LOCATION L0000551     VOLUME   476815.992 3742407.047 476.92
   LOCATION L0000552     VOLUME   476815.775 3742415.635 476.94
   LOCATION L0000553     VOLUME   476815.557 3742424.222 476.95
   LOCATION L0000554     VOLUME   476815.340 3742432.809 476.86
   LOCATION L0000555     VOLUME   476815.123 3742441.396 476.73
   LOCATION L0000556     VOLUME   476814.906 3742449.984 476.60
   LOCATION L0000557     VOLUME   476814.689 3742458.571 476.43
   LOCATION L0000558     VOLUME   476814.472 3742467.158 476.15
```

```
   LOCATION L0000559     VOLUME   476814.255 3742475.745 475.87
   LOCATION L0000560     VOLUME   476814.038 3742484.333 475.59
   LOCATION L0000561     VOLUME   476813.821 3742492.920 475.31
   LOCATION L0000562     VOLUME   476813.604 3742501.507 475.03
   LOCATION L0000563     VOLUME   476813.387 3742510.094 474.75
   LOCATION L0000564     VOLUME   476813.169 3742518.682 474.52
   LOCATION L0000565     VOLUME   476812.952 3742527.269 474.40
   LOCATION L0000566     VOLUME   476812.735 3742535.856 474.29
   LOCATION L0000567     VOLUME   476812.518 3742544.443 474.18
   LOCATION L0000568     VOLUME   476812.301 3742553.031 473.94
   LOCATION L0000569     VOLUME   476812.084 3742561.618 473.67
   LOCATION L0000570     VOLUME   476818.515 3742563.876 473.17
   LOCATION L0000571     VOLUME   476827.103 3742564.080 472.59
   LOCATION L0000572     VOLUME   476835.690 3742564.285 472.20
   LOCATION L0000573     VOLUME   476844.278 3742564.489 471.91
   LOCATION L0000574     VOLUME   476852.865 3742564.694 471.62
   LOCATION L0000575     VOLUME   476861.453 3742564.899 471.32
   LOCATION L0000576     VOLUME   476870.040 3742565.103 471.03
   LOCATION L0000577     VOLUME   476878.628 3742565.308 470.74
   LOCATION L0000578     VOLUME   476887.216 3742565.513 470.44
   LOCATION L0000579     VOLUME   476895.803 3742565.717 470.08
   LOCATION L0000580     VOLUME   476904.391 3742565.922 469.69
   LOCATION L0000581     VOLUME   476912.978 3742566.126 469.31
   LOCATION L0000582     VOLUME   476921.566 3742566.331 468.94
   LOCATION L0000583     VOLUME   476930.153 3742566.536 468.66
   LOCATION L0000584     VOLUME   476938.741 3742566.740 468.37
   LOCATION L0000585     VOLUME   476947.328 3742566.945 468.08
   LOCATION L0000586     VOLUME   476955.916 3742567.149 467.80
   LOCATION L0000587     VOLUME   476964.504 3742567.354 467.51
   LOCATION L0000588     VOLUME   476973.091 3742567.559 467.23
   LOCATION L0000589     VOLUME   476981.679 3742567.763 466.94
   LOCATION L0000590     VOLUME   476990.266 3742567.968 466.65
   LOCATION L0000591     VOLUME   476998.854 3742568.173 466.37
   LOCATION L0000592     VOLUME   477007.441 3742568.377 466.08
   LOCATION L0000593     VOLUME   477016.029 3742568.582 465.64
   LOCATION L0000594     VOLUME   477024.617 3742568.786 465.14
   LOCATION L0000595     VOLUME   477033.204 3742568.991 464.63
   LOCATION L0000596     VOLUME   477041.792 3742569.196 464.17
   LOCATION L0000597     VOLUME   477050.379 3742569.400 463.87
   LOCATION L0000598     VOLUME   477058.967 3742569.605 463.58
   LOCATION L0000599     VOLUME   477067.554 3742569.809 463.29
   LOCATION L0000600     VOLUME   477076.142 3742570.014 463.16
   LOCATION L0000601     VOLUME   477084.729 3742570.219 463.10
   LOCATION L0000602     VOLUME   477093.317 3742570.423 463.04
   LOCATION L0000603     VOLUME   477101.905 3742570.628 462.93
   LOCATION L0000604     VOLUME   477110.492 3742570.832 462.65
   LOCATION L0000605     VOLUME   477119.080 3742571.037 462.36
   LOCATION L0000606     VOLUME   477127.667 3742571.242 462.07
   LOCATION L0000607     VOLUME   477136.255 3742571.446 461.79
   LOCATION L0000608     VOLUME   477144.842 3742571.651 461.50
   LOCATION L0000609     VOLUME   477153.430 3742571.856 461.21
   LOCATION L0000610     VOLUME   477162.018 3742572.060 460.93
   LOCATION L0000611     VOLUME   477170.605 3742572.265 460.64
   LOCATION L0000612     VOLUME   477179.193 3742572.469 460.36
   LOCATION L0000613     VOLUME   477187.780 3742572.674 460.07
   LOCATION L0000614     VOLUME   477196.368 3742572.879 459.81
   LOCATION L0000615     VOLUME   477204.955 3742573.083 459.55
   LOCATION L0000616     VOLUME   477213.543 3742573.288 459.29
   LOCATION L0000617     VOLUME   477222.130 3742573.492 459.01
   LOCATION L0000618     VOLUME   477230.718 3742573.697 458.72
   LOCATION L0000619     VOLUME   477239.306 3742573.902 458.43
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Offsite Placentia
```

```
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.000651409
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 477242.388, 3742573.657, 458.16, 3.49, 6.51
** 477760.617, 3742569.276, 449.95, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000831     VOLUME   477249.388 3742573.598 458.10
   LOCATION L0000832     VOLUME   477263.388 3742573.480 458.05
   LOCATION L0000833     VOLUME   477277.387 3742573.361 458.01
   LOCATION L0000834     VOLUME   477291.387 3742573.243 457.62
   LOCATION L0000835     VOLUME   477305.386 3742573.125 457.15
   LOCATION L0000836     VOLUME   477319.386 3742573.006 456.68
   LOCATION L0000837     VOLUME   477333.385 3742572.888 456.22
   LOCATION L0000838     VOLUME   477347.385 3742572.770 456.00
   LOCATION L0000839     VOLUME   477361.384 3742572.651 456.00
   LOCATION L0000840     VOLUME   477375.384 3742572.533 456.00
   LOCATION L0000841     VOLUME   477389.383 3742572.415 456.00
   LOCATION L0000842     VOLUME   477403.383 3742572.296 455.88
   LOCATION L0000843     VOLUME   477417.382 3742572.178 455.42
   LOCATION L0000844     VOLUME   477431.382 3742572.059 454.96
   LOCATION L0000845     VOLUME   477445.381 3742571.941 454.56
   LOCATION L0000846     VOLUME   477459.381 3742571.823 454.16
   LOCATION L0000847     VOLUME   477473.380 3742571.704 454.08
   LOCATION L0000848     VOLUME   477487.380 3742571.586 454.01
   LOCATION L0000849     VOLUME   477501.379 3742571.468 453.68
   LOCATION L0000850     VOLUME   477515.379 3742571.349 453.29
   LOCATION L0000851     VOLUME   477529.378 3742571.231 453.11
   LOCATION L0000852     VOLUME   477543.378 3742571.113 453.04
   LOCATION L0000853     VOLUME   477557.377 3742570.994 452.79
   LOCATION L0000854     VOLUME   477571.377 3742570.876 452.41
   LOCATION L0000855     VOLUME   477585.376 3742570.758 452.15
   LOCATION L0000856     VOLUME   477599.376 3742570.639 452.06
   LOCATION L0000857     VOLUME   477613.375 3742570.521 451.91
   LOCATION L0000858     VOLUME   477627.375 3742570.402 451.53
   LOCATION L0000859     VOLUME   477641.374 3742570.284 451.19
   LOCATION L0000860     VOLUME   477655.374 3742570.166 451.10
   LOCATION L0000861     VOLUME   477669.373 3742570.047 451.00
   LOCATION L0000862     VOLUME   477683.373 3742569.929 451.00
   LOCATION L0000863     VOLUME   477697.372 3742569.811 451.00
   LOCATION L0000864     VOLUME   477711.372 3742569.692 450.62
   LOCATION L0000865     VOLUME   477725.371 3742569.574 450.15
   LOCATION L0000866     VOLUME   477739.371 3742569.456 450.00
   LOCATION L0000867     VOLUME   477753.370 3742569.337 450.00
** End of LINE VOLUME Source ID = SLINE4
   LOCATION VOL1         VOLUME     476841.238  3742338.307      476.170
   LOCATION VOL2         VOLUME     476882.454  3742338.998      473.400
   LOCATION VOL3         VOLUME     476922.978  3742340.840      470.790
   LOCATION VOL4         VOLUME     476964.193  3742341.761      468.520
   LOCATION VOL5         VOLUME     477000.802  3742343.373      467.830
   LOCATION VOL6         VOLUME     477001.493  3742302.619      468.310
   LOCATION VOL7         VOLUME     476960.969  3742302.388      469.760
   LOCATION VOL8         VOLUME     476920.215  3742302.619      471.980
   LOCATION VOL9         VOLUME     476879.461  3742302.388      473.780
   LOCATION VOL10        VOLUME     476841.009  3742302.158      476.260
   LOCATION VOL11        VOLUME     476840.548  3742261.634      476.290
   LOCATION VOL12        VOLUME     476881.072  3742261.634      474.290
   LOCATION VOL13        VOLUME     476921.827  3742261.634      472.390
   LOCATION VOL14        VOLUME     476962.351  3742261.404      470.580
   LOCATION VOL15        VOLUME     477001.263  3742261.404      468.920
   LOCATION VOL16        VOLUME     477001.033  3742220.880      469.890
   LOCATION VOL17        VOLUME     476960.509  3742220.650      471.190
   LOCATION VOL18        VOLUME     476919.754  3742220.880      473.000
```

```
   LOCATION VOL19        VOLUME     476879.230  3742220.880      474.650
   LOCATION VOL20        VOLUME     476840.548  3742220.650      476.590
   LOCATION VOL21        VOLUME     476840.548  3742182.658      476.640
   LOCATION VOL22        VOLUME     476881.303  3742182.888      474.650
   LOCATION VOL23        VOLUME     476922.287  3742182.888      473.020
   LOCATION VOL24        VOLUME     476963.041  3742183.349      471.560
   LOCATION VOL25        VOLUME     477000.802  3742184.500      470.300
** Source Parameters **
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000544     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000545     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000546     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000547     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000548     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000549     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000550     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000551     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000552     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000553     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000554     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000555     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000556     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000557     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000558     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000559     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000560     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000561     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000562     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000563     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000564     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000565     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000566     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000567     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000568     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000569     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000570     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000571     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000572     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000573     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000574     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000575     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000576     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000577     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000578     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000579     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000580     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000581     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000582     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000583     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000584     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000585     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000586     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000587     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000588     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000589     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000590     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000591     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000592     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000593     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000594     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000595     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000596     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000597     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000598     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000599     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000600     0.000008571      3.49      4.00      3.25
```

```
   SRCPARAM L0000601     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000602     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000603     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000604     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000605     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000606     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000607     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000608     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000609     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000610     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000611     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000612     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000613     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000614     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000615     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000616     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000617     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000618     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000619     0.000008571      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000831     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000832     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000833     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000834     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000835     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000836     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000837     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000838     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000839     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000840     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000841     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000842     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000843     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000844     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000845     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000846     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000847     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000848     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000849     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000850     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000851     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000852     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000853     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000854     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000855     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000856     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000857     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000858     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000859     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000860     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000861     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000862     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000863     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000864     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000865     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000866     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000867     0.0000176056      3.49      6.51      3.25
** ------------------------------------------------------------------
   SRCPARAM VOL1         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL2         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL3         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL4         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL5         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL6         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL7         0.0005271969     5.000     9.530     1.400
```

```
   SRCPARAM VOL8         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL9         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL10        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL11        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL12        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL13        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL14        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL15        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL16        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL17        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL18        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL19        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL20        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL21        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL22        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL23        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL24        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL25        0.0005271969     5.000     9.530     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000544     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000544     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000544     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000544     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 L0000545     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000545     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000546     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000547     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000548     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000549     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000550     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000550     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000551     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000551     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000552     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000553     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000553     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000554     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
```

```
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000555     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000556     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000557     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000558     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000559     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000560     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000561     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000562     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000563     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000564     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000565     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000566     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000567     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000568     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000569     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000570     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000571     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000571     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000572     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000573     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000574     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000575     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000576     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000577     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000578     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000579     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000580     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000581     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000582     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000583     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000584     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000585     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000586     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000587     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
```

```
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000588     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000589     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000590     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000591     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000592     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000593     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000594     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000595     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000596     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000597     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000598     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000599     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000600     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000601     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000602     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000603     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000604     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000604     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000605     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000605     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000606     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000606     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000607     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000607     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000608     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000608     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000609     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000609     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000610     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000610     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000611     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000612     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000613     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000614     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000615     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000616     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000617     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000618     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000619     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
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 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
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   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
   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 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
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000831     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000832     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000833     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000834     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000835     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000836     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000837     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000838     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000839     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000840     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000840     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000841     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000841     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000842     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000842     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000843     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000843     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000844     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000845     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000846     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000847     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000848     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000849     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000850     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000851     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000852     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000853     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000854     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000855     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000856     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000856     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000857     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000857     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000858     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000858     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000859     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000859     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000860     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT L0000860     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000861     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000862     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000863     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000864     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000865     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000866     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000867     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL1         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
```

```
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "14421 Construction.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
```

```
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "14421 CONSTRUCTION.AD\AN00GALL.PLT" 31
   SUMMFILE "14421 Construction.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 5/16/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Construction\14421
Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "14421 Construction.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Offsite Tobacco Placentia
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.000651409
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 476817.620, 3742342.643, 478.07, 3.49, 4.00
** 476812.031, 3742563.721, 473.81, 3.49, 4.00
** 477242.078, 3742573.968, 458.16, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000544     VOLUME   476817.511 3742346.936 477.46
   LOCATION L0000545     VOLUME   476817.294 3742355.524 477.19
   LOCATION L0000546     VOLUME   476817.077 3742364.111 476.92
   LOCATION L0000547     VOLUME   476816.860 3742372.698 476.87
   LOCATION L0000548     VOLUME   476816.643 3742381.285 476.88
   LOCATION L0000549     VOLUME   476816.426 3742389.873 476.90
   LOCATION L0000550     VOLUME   476816.209 3742398.460 476.91
   LOCATION L0000551     VOLUME   476815.992 3742407.047 476.92
   LOCATION L0000552     VOLUME   476815.775 3742415.635 476.94
   LOCATION L0000553     VOLUME   476815.557 3742424.222 476.95
   LOCATION L0000554     VOLUME   476815.340 3742432.809 476.86
   LOCATION L0000555     VOLUME   476815.123 3742441.396 476.73
   LOCATION L0000556     VOLUME   476814.906 3742449.984 476.60
   LOCATION L0000557     VOLUME   476814.689 3742458.571 476.43
   LOCATION L0000558     VOLUME   476814.472 3742467.158 476.15
```

```
   LOCATION L0000559     VOLUME   476814.255 3742475.745 475.87
   LOCATION L0000560     VOLUME   476814.038 3742484.333 475.59
   LOCATION L0000561     VOLUME   476813.821 3742492.920 475.31
   LOCATION L0000562     VOLUME   476813.604 3742501.507 475.03
   LOCATION L0000563     VOLUME   476813.387 3742510.094 474.75
   LOCATION L0000564     VOLUME   476813.169 3742518.682 474.52
   LOCATION L0000565     VOLUME   476812.952 3742527.269 474.40
   LOCATION L0000566     VOLUME   476812.735 3742535.856 474.29
   LOCATION L0000567     VOLUME   476812.518 3742544.443 474.18
   LOCATION L0000568     VOLUME   476812.301 3742553.031 473.94
   LOCATION L0000569     VOLUME   476812.084 3742561.618 473.67
   LOCATION L0000570     VOLUME   476818.515 3742563.876 473.17
   LOCATION L0000571     VOLUME   476827.103 3742564.080 472.59
   LOCATION L0000572     VOLUME   476835.690 3742564.285 472.20
   LOCATION L0000573     VOLUME   476844.278 3742564.489 471.91
   LOCATION L0000574     VOLUME   476852.865 3742564.694 471.62
   LOCATION L0000575     VOLUME   476861.453 3742564.899 471.32
   LOCATION L0000576     VOLUME   476870.040 3742565.103 471.03
   LOCATION L0000577     VOLUME   476878.628 3742565.308 470.74
   LOCATION L0000578     VOLUME   476887.216 3742565.513 470.44
   LOCATION L0000579     VOLUME   476895.803 3742565.717 470.08
   LOCATION L0000580     VOLUME   476904.391 3742565.922 469.69
   LOCATION L0000581     VOLUME   476912.978 3742566.126 469.31
   LOCATION L0000582     VOLUME   476921.566 3742566.331 468.94
   LOCATION L0000583     VOLUME   476930.153 3742566.536 468.66
   LOCATION L0000584     VOLUME   476938.741 3742566.740 468.37
   LOCATION L0000585     VOLUME   476947.328 3742566.945 468.08
   LOCATION L0000586     VOLUME   476955.916 3742567.149 467.80
   LOCATION L0000587     VOLUME   476964.504 3742567.354 467.51
   LOCATION L0000588     VOLUME   476973.091 3742567.559 467.23
   LOCATION L0000589     VOLUME   476981.679 3742567.763 466.94
   LOCATION L0000590     VOLUME   476990.266 3742567.968 466.65
   LOCATION L0000591     VOLUME   476998.854 3742568.173 466.37
   LOCATION L0000592     VOLUME   477007.441 3742568.377 466.08
   LOCATION L0000593     VOLUME   477016.029 3742568.582 465.64
   LOCATION L0000594     VOLUME   477024.617 3742568.786 465.14
   LOCATION L0000595     VOLUME   477033.204 3742568.991 464.63
   LOCATION L0000596     VOLUME   477041.792 3742569.196 464.17
   LOCATION L0000597     VOLUME   477050.379 3742569.400 463.87
   LOCATION L0000598     VOLUME   477058.967 3742569.605 463.58
   LOCATION L0000599     VOLUME   477067.554 3742569.809 463.29
   LOCATION L0000600     VOLUME   477076.142 3742570.014 463.16
   LOCATION L0000601     VOLUME   477084.729 3742570.219 463.10
   LOCATION L0000602     VOLUME   477093.317 3742570.423 463.04
   LOCATION L0000603     VOLUME   477101.905 3742570.628 462.93
   LOCATION L0000604     VOLUME   477110.492 3742570.832 462.65
   LOCATION L0000605     VOLUME   477119.080 3742571.037 462.36
   LOCATION L0000606     VOLUME   477127.667 3742571.242 462.07
   LOCATION L0000607     VOLUME   477136.255 3742571.446 461.79
   LOCATION L0000608     VOLUME   477144.842 3742571.651 461.50
   LOCATION L0000609     VOLUME   477153.430 3742571.856 461.21
   LOCATION L0000610     VOLUME   477162.018 3742572.060 460.93
   LOCATION L0000611     VOLUME   477170.605 3742572.265 460.64
   LOCATION L0000612     VOLUME   477179.193 3742572.469 460.36
   LOCATION L0000613     VOLUME   477187.780 3742572.674 460.07
   LOCATION L0000614     VOLUME   477196.368 3742572.879 459.81
   LOCATION L0000615     VOLUME   477204.955 3742573.083 459.55
   LOCATION L0000616     VOLUME   477213.543 3742573.288 459.29
   LOCATION L0000617     VOLUME   477222.130 3742573.492 459.01
   LOCATION L0000618     VOLUME   477230.718 3742573.697 458.72
   LOCATION L0000619     VOLUME   477239.306 3742573.902 458.43
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Offsite Placentia
```

```
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.000651409
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 477242.388, 3742573.657, 458.16, 3.49, 6.51
** 477760.617, 3742569.276, 449.95, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000831     VOLUME   477249.388 3742573.598 458.10
   LOCATION L0000832     VOLUME   477263.388 3742573.480 458.05
   LOCATION L0000833     VOLUME   477277.387 3742573.361 458.01
   LOCATION L0000834     VOLUME   477291.387 3742573.243 457.62
   LOCATION L0000835     VOLUME   477305.386 3742573.125 457.15
   LOCATION L0000836     VOLUME   477319.386 3742573.006 456.68
   LOCATION L0000837     VOLUME   477333.385 3742572.888 456.22
   LOCATION L0000838     VOLUME   477347.385 3742572.770 456.00
   LOCATION L0000839     VOLUME   477361.384 3742572.651 456.00
   LOCATION L0000840     VOLUME   477375.384 3742572.533 456.00
   LOCATION L0000841     VOLUME   477389.383 3742572.415 456.00
   LOCATION L0000842     VOLUME   477403.383 3742572.296 455.88
   LOCATION L0000843     VOLUME   477417.382 3742572.178 455.42
   LOCATION L0000844     VOLUME   477431.382 3742572.059 454.96
   LOCATION L0000845     VOLUME   477445.381 3742571.941 454.56
   LOCATION L0000846     VOLUME   477459.381 3742571.823 454.16
   LOCATION L0000847     VOLUME   477473.380 3742571.704 454.08
   LOCATION L0000848     VOLUME   477487.380 3742571.586 454.01
   LOCATION L0000849     VOLUME   477501.379 3742571.468 453.68
   LOCATION L0000850     VOLUME   477515.379 3742571.349 453.29
   LOCATION L0000851     VOLUME   477529.378 3742571.231 453.11
   LOCATION L0000852     VOLUME   477543.378 3742571.113 453.04
   LOCATION L0000853     VOLUME   477557.377 3742570.994 452.79
   LOCATION L0000854     VOLUME   477571.377 3742570.876 452.41
   LOCATION L0000855     VOLUME   477585.376 3742570.758 452.15
   LOCATION L0000856     VOLUME   477599.376 3742570.639 452.06
   LOCATION L0000857     VOLUME   477613.375 3742570.521 451.91
   LOCATION L0000858     VOLUME   477627.375 3742570.402 451.53
   LOCATION L0000859     VOLUME   477641.374 3742570.284 451.19
   LOCATION L0000860     VOLUME   477655.374 3742570.166 451.10
   LOCATION L0000861     VOLUME   477669.373 3742570.047 451.00
   LOCATION L0000862     VOLUME   477683.373 3742569.929 451.00
   LOCATION L0000863     VOLUME   477697.372 3742569.811 451.00
   LOCATION L0000864     VOLUME   477711.372 3742569.692 450.62
   LOCATION L0000865     VOLUME   477725.371 3742569.574 450.15
   LOCATION L0000866     VOLUME   477739.371 3742569.456 450.00
   LOCATION L0000867     VOLUME   477753.370 3742569.337 450.00
** End of LINE VOLUME Source ID = SLINE4
   LOCATION VOL1         VOLUME     476841.238  3742338.307      476.170
   LOCATION VOL2         VOLUME     476882.454  3742338.998      473.400
   LOCATION VOL3         VOLUME     476922.978  3742340.840      470.790
   LOCATION VOL4         VOLUME     476964.193  3742341.761      468.520
   LOCATION VOL5         VOLUME     477000.802  3742343.373      467.830
   LOCATION VOL6         VOLUME     477001.493  3742302.619      468.310
   LOCATION VOL7         VOLUME     476960.969  3742302.388      469.760
   LOCATION VOL8         VOLUME     476920.215  3742302.619      471.980
   LOCATION VOL9         VOLUME     476879.461  3742302.388      473.780
   LOCATION VOL10        VOLUME     476841.009  3742302.158      476.260
   LOCATION VOL11        VOLUME     476840.548  3742261.634      476.290
   LOCATION VOL12        VOLUME     476881.072  3742261.634      474.290
   LOCATION VOL13        VOLUME     476921.827  3742261.634      472.390
   LOCATION VOL14        VOLUME     476962.351  3742261.404      470.580
   LOCATION VOL15        VOLUME     477001.263  3742261.404      468.920
   LOCATION VOL16        VOLUME     477001.033  3742220.880      469.890
   LOCATION VOL17        VOLUME     476960.509  3742220.650      471.190
   LOCATION VOL18        VOLUME     476919.754  3742220.880      473.000
```

```
   LOCATION VOL19        VOLUME     476879.230  3742220.880      474.650
   LOCATION VOL20        VOLUME     476840.548  3742220.650      476.590
   LOCATION VOL21        VOLUME     476840.548  3742182.658      476.640
   LOCATION VOL22        VOLUME     476881.303  3742182.888      474.650
   LOCATION VOL23        VOLUME     476922.287  3742182.888      473.020
   LOCATION VOL24        VOLUME     476963.041  3742183.349      471.560
   LOCATION VOL25        VOLUME     477000.802  3742184.500      470.300
** Source Parameters **
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000544     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000545     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000546     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000547     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000548     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000549     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000550     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000551     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000552     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000553     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000554     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000555     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000556     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000557     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000558     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000559     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000560     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000561     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000562     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000563     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000564     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000565     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000566     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000567     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000568     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000569     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000570     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000571     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000572     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000573     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000574     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000575     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000576     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000577     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000578     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000579     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000580     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000581     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000582     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000583     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000584     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000585     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000586     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000587     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000588     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000589     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000590     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000591     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000592     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000593     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000594     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000595     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000596     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000597     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000598     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000599     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000600     0.000008571      3.49      4.00      3.25
```

```
   SRCPARAM L0000601     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000602     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000603     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000604     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000605     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000606     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000607     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000608     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000609     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000610     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000611     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000612     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000613     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000614     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000615     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000616     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000617     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000618     0.000008571      3.49      4.00      3.25
   SRCPARAM L0000619     0.000008571      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000831     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000832     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000833     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000834     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000835     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000836     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000837     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000838     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000839     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000840     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000841     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000842     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000843     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000844     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000845     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000846     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000847     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000848     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000849     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000850     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000851     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000852     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000853     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000854     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000855     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000856     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000857     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000858     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000859     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000860     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000861     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000862     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000863     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000864     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000865     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000866     0.0000176056      3.49      6.51      3.25
   SRCPARAM L0000867     0.0000176056      3.49      6.51      3.25
** ------------------------------------------------------------------
   SRCPARAM VOL1         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL2         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL3         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL4         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL5         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL6         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL7         0.0005271969     5.000     9.530     1.400
```

```
   SRCPARAM VOL8         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL9         0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL10        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL11        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL12        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL13        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL14        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL15        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL16        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL17        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL18        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL19        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL20        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL21        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL22        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL23        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL24        0.0005271969     5.000     9.530     1.400
   SRCPARAM VOL25        0.0005271969     5.000     9.530     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000544     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000544     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000544     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000544     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 L0000545     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000545     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000546     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000547     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000548     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000549     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000550     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000550     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000551     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000551     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000552     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000553     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000553     HRDOW 1.0 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0
   EMISFACT L0000554     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
```

```
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000555     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000556     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000557     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000558     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000559     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000560     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000561     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000562     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000563     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000564     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000565     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000566     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000567     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000568     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000569     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000570     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000571     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000571     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000572     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000573     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000574     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000575     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000576     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000577     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000578     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000579     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000580     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000581     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000582     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000583     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000584     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000585     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000586     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000587     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
```

```
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000588     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000589     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000590     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000591     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000592     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000593     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000594     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000595     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000596     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000597     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000598     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000599     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000600     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000601     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000602     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000603     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000604     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000604     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000605     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000605     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000606     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000606     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000607     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000607     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000608     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000608     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000609     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000609     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000610     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000610     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000611     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000612     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000613     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000614     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000615     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000616     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000617     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000618     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000619     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
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 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
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   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
   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 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
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000551     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000552     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000553     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000554     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000555     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000556     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000557     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000558     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000559     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000560     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000561     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000562     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000563     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000564     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000565     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000566     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000567     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000568     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000569     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000570     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000571     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000572     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000573     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000574     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000575     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000576     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000577     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000578     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000579     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000580     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000581     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000582     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000583     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000584     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000585     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000586     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000587     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000588     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000589     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000590     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000591     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000592     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000593     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000594     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000595     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000596     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000597     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000598     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000599     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000600     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000601     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000602     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000603     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000604     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000605     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000606     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000607     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000608     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000609     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000610     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000611     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000612     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000613     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000614     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000615     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000616     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000617     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000618     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000619     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000831     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000832     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000833     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000834     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000835     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000836     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000837     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000838     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000839     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000840     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000840     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000841     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000841     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000842     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000842     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000843     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000843     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000844     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000845     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000846     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000847     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000848     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000849     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000850     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000851     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000852     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000853     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000854     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000855     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000856     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000856     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000857     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000857     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000858     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000858     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000859     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000859     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000860     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT L0000860     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000861     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000862     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000863     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000864     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000865     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000866     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000867     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000831     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000832     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000833     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000834     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000835     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000836     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000837     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000838     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000839     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000840     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000841     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000842     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000843     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000844     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000845     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000846     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000847     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000848     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000849     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000850     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000851     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000852     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000853     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000854     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000855     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000856     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000857     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000858     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000859     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000860     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000861     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000862     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000863     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000864     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000865     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000866     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000867     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL1         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
```

```
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "14421 Construction.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
```

```
   PROFBASE 442.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "14421 CONSTRUCTION.AD\AN00GALL.PLT" 31
   SUMMFILE "14421 Construction.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186    2113       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    2113       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

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

                                          ***     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 URBAN Dispersion Algorithm for the SBL for   138 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  Urban Roughness Length =  1.000 m

 **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.
```

6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:
ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 138 Source(s); 1 Source Group(s); and 38 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 138 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

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

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

**Detailed Error/Message File: 14421
Construction.err
**File for Summary of Results: 14421
Construction.sum

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SOURCE SCALAR VARY BY	SOURCE CATS.
L0000544	0	0.85710E-05	476817.5	3742346.9	477.5	3.49	4.00	3.25	YES	HRDOW
L0000545	0	0.85710E-05	476817.3	3742355.5	477.2	3.49	4.00	3.25	YES	HRDOW
L0000546	0	0.85710E-05	476817.1	3742364.1	476.9	3.49	4.00	3.25	YES	HRDOW
L0000547	0	0.85710E-05	476816.9	3742372.7	476.9	3.49	4.00	3.25	YES	HRDOW
L0000548	0	0.85710E-05	476816.6	3742381.3	476.9	3.49	4.00	3.25	YES	HRDOW
L0000549	0	0.85710E-05	476816.4	3742389.9	476.9	3.49	4.00	3.25	YES	HRDOW
L0000550	0	0.85710E-05	476816.2	3742398.5	476.9	3.49	4.00	3.25	YES	HRDOW
L0000551	0	0.85710E-05	476816.0	3742407.0	476.9	3.49	4.00	3.25	YES	HRDOW
L0000552	0	0.85710E-05	476815.8	3742415.6	476.9	3.49	4.00	3.25	YES	HRDOW
L0000553	0	0.85710E-05	476815.6	3742424.2	476.9	3.49	4.00	3.25	YES	HRDOW
L0000554	0	0.85710E-05	476815.3	3742432.8	476.9	3.49	4.00	3.25	YES	HRDOW
L0000555	0	0.85710E-05	476815.1	3742441.4	476.7	3.49	4.00	3.25	YES	HRDOW
L0000556	0	0.85710E-05	476814.9	3742450.0	476.6	3.49	4.00	3.25	YES	HRDOW
L0000557	0	0.85710E-05	476814.7	3742458.6	476.4	3.49	4.00	3.25	YES	HRDOW
L0000558	0	0.85710E-05	476814.5	3742467.2	476.2	3.49	4.00	3.25	YES	HRDOW
L0000559	0	0.85710E-05	476814.3	3742475.7	475.9	3.49	4.00	3.25	YES	HRDOW
L0000560	0	0.85710E-05	476814.0	3742484.3	475.6	3.49	4.00	3.25	YES	HRDOW
L0000561	0	0.85710E-05	476813.8	3742492.9	475.3	3.49	4.00	3.25	YES	HRDOW
L0000562	0	0.85710E-05	476813.6	3742501.5	475.0	3.49	4.00	3.25	YES	HRDOW
L0000563	0	0.85710E-05	476813.4	3742510.1	474.8	3.49	4.00	3.25	YES	HRDOW
L0000564	0	0.85710E-05	476813.2	3742518.7	474.5	3.49	4.00	3.25	YES	HRDOW
L0000565	0	0.85710E-05	476813.0	3742527.3	474.4	3.49	4.00	3.25	YES	HRDOW
L0000566	0	0.85710E-05	476812.7	3742535.9	474.3	3.49	4.00	3.25	YES	HRDOW
L0000567	0	0.85710E-05	476812.5	3742544.4	474.2	3.49	4.00	3.25	YES	HRDOW
L0000568	0	0.85710E-05	476812.3	3742553.0	473.9	3.49	4.00	3.25	YES	HRDOW
L0000569	0	0.85710E-05	476812.1	3742561.6	473.7	3.49	4.00	3.25	YES	HRDOW
L0000570	0	0.85710E-05	476818.5	3742563.9	473.2	3.49	4.00	3.25	YES	HRDOW
L0000571	0	0.85710E-05	476827.1	3742564.1	472.6	3.49	4.00	3.25	YES	HRDOW

L0000572 0 0.85710E-05 476835.7 3742564.3 472.2 3.49 4.00 3.25
YES HRDOW
L0000573 0 0.85710E-05 476844.3 3742564.5 471.9 3.49 4.00 3.25
YES HRDOW
L0000574 0 0.85710E-05 476852.9 3742564.7 471.6 3.49 4.00 3.25
YES HRDOW
L0000575 0 0.85710E-05 476861.5 3742564.9 471.3 3.49 4.00 3.25
YES HRDOW
L0000576 0 0.85710E-05 476870.0 3742565.1 471.0 3.49 4.00 3.25
YES HRDOW
L0000577 0 0.85710E-05 476878.6 3742565.3 470.7 3.49 4.00 3.25
YES HRDOW
L0000578 0 0.85710E-05 476887.2 3742565.5 470.4 3.49 4.00 3.25
YES HRDOW
L0000579 0 0.85710E-05 476895.8 3742565.7 470.1 3.49 4.00 3.25
YES HRDOW
L0000580 0 0.85710E-05 476904.4 3742565.9 469.7 3.49 4.00 3.25
YES HRDOW
L0000581 0 0.85710E-05 476913.0 3742566.1 469.3 3.49 4.00 3.25
YES HRDOW
L0000582 0 0.85710E-05 476921.6 3742566.3 468.9 3.49 4.00 3.25
YES HRDOW
L0000583 0 0.85710E-05 476930.2 3742566.5 468.7 3.49 4.00 3.25
YES HRDOW
FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:31:12

PAGE 3
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE VARY BY
L0000584	0	0.85710E-05	476938.7	3742566.7	468.4	3.49	4.00	3.25	YES HRDOW
L0000585	0	0.85710E-05	476947.3	3742566.9	468.1	3.49	4.00	3.25	YES HRDOW
L0000586	0	0.85710E-05	476955.9	3742567.1	467.8	3.49	4.00	3.25	YES HRDOW
L0000587	0	0.85710E-05	476964.5	3742567.4	467.5	3.49	4.00	3.25	YES HRDOW
L0000588	0	0.85710E-05	476973.1	3742567.6	467.2	3.49	4.00	3.25	YES HRDOW
L0000589	0	0.85710E-05	476981.7	3742567.8	466.9	3.49	4.00	3.25	YES HRDOW
L0000590	0	0.85710E-05	476990.3	3742568.0	466.7	3.49	4.00	3.25	YES HRDOW
L0000591	0	0.85710E-05	476998.9	3742568.2	466.4	3.49	4.00	3.25	YES HRDOW
L0000592	0	0.85710E-05	477007.4	3742568.4	466.1	3.49	4.00	3.25	YES HRDOW
L0000593	0	0.85710E-05	477016.0	3742568.6	465.6	3.49	4.00	3.25	YES HRDOW
L0000594	0	0.85710E-05	477024.6	3742568.8	465.1	3.49	4.00	3.25	YES HRDOW

```
 L0000595         0   0.85710E-05  477033.2 3742569.0   464.6     3.49     4.00     3.25
 YES   HRDOW
 L0000596         0   0.85710E-05  477041.8 3742569.2   464.2     3.49     4.00     3.25
 YES   HRDOW
 L0000597         0   0.85710E-05  477050.4 3742569.4   463.9     3.49     4.00     3.25
 YES   HRDOW
 L0000598         0   0.85710E-05  477059.0 3742569.6   463.6     3.49     4.00     3.25
 YES   HRDOW
 L0000599         0   0.85710E-05  477067.6 3742569.8   463.3     3.49     4.00     3.25
 YES   HRDOW
 L0000600         0   0.85710E-05  477076.1 3742570.0   463.2     3.49     4.00     3.25
 YES   HRDOW
 L0000601         0   0.85710E-05  477084.7 3742570.2   463.1     3.49     4.00     3.25
 YES   HRDOW
 L0000602         0   0.85710E-05  477093.3 3742570.4   463.0     3.49     4.00     3.25
 YES   HRDOW
 L0000603         0   0.85710E-05  477101.9 3742570.6   462.9     3.49     4.00     3.25
 YES   HRDOW
 L0000604         0   0.85710E-05  477110.5 3742570.8   462.7     3.49     4.00     3.25
 YES   HRDOW
 L0000605         0   0.85710E-05  477119.1 3742571.0   462.4     3.49     4.00     3.25
 YES   HRDOW
 L0000606         0   0.85710E-05  477127.7 3742571.2   462.1     3.49     4.00     3.25
 YES   HRDOW
 L0000607         0   0.85710E-05  477136.3 3742571.4   461.8     3.49     4.00     3.25
 YES   HRDOW
 L0000608         0   0.85710E-05  477144.8 3742571.7   461.5     3.49     4.00     3.25
 YES   HRDOW
 L0000609         0   0.85710E-05  477153.4 3742571.9   461.2     3.49     4.00     3.25
 YES   HRDOW
 L0000610         0   0.85710E-05  477162.0 3742572.1   460.9     3.49     4.00     3.25
 YES   HRDOW
 L0000611         0   0.85710E-05  477170.6 3742572.3   460.6     3.49     4.00     3.25
 YES   HRDOW
 L0000612         0   0.85710E-05  477179.2 3742572.5   460.4     3.49     4.00     3.25
 YES   HRDOW
 L0000613         0   0.85710E-05  477187.8 3742572.7   460.1     3.49     4.00     3.25
 YES   HRDOW
 L0000614         0   0.85710E-05  477196.4 3742572.9   459.8     3.49     4.00     3.25
 YES   HRDOW
 L0000615         0   0.85710E-05  477205.0 3742573.1   459.6     3.49     4.00     3.25
 YES   HRDOW
 L0000616         0   0.85710E-05  477213.5 3742573.3   459.3     3.49     4.00     3.25
 YES   HRDOW
 L0000617         0   0.85710E-05  477222.1 3742573.5   459.0     3.49     4.00     3.25
 YES   HRDOW
 L0000618         0   0.85710E-05  477230.7 3742573.7   458.7     3.49     4.00     3.25
 YES   HRDOW
 L0000619         0   0.85710E-05  477239.3 3742573.9   458.4     3.49     4.00     3.25
 YES   HRDOW
 L0000831         0   0.17606E-04  477249.4 3742573.6   458.1     3.49     6.51     3.25
 YES   HRDOW
 L0000832         0   0.17606E-04  477263.4 3742573.5   458.1     3.49     6.51     3.25
 YES   HRDOW
 L0000833         0   0.17606E-04  477277.4 3742573.4   458.0     3.49     6.51     3.25
 YES   HRDOW
 L0000834         0   0.17606E-04  477291.4 3742573.2   457.6     3.49     6.51     3.25
 YES   HRDOW
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12

                      PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0000835	0	0.17606E-04	477305.4	3742573.1	457.2	3.49	6.51	3.25	YES HRDOW
L0000836	0	0.17606E-04	477319.4	3742573.0	456.7	3.49	6.51	3.25	YES HRDOW
L0000837	0	0.17606E-04	477333.4	3742572.9	456.2	3.49	6.51	3.25	YES HRDOW
L0000838	0	0.17606E-04	477347.4	3742572.8	456.0	3.49	6.51	3.25	YES HRDOW
L0000839	0	0.17606E-04	477361.4	3742572.7	456.0	3.49	6.51	3.25	YES HRDOW
L0000840	0	0.17606E-04	477375.4	3742572.5	456.0	3.49	6.51	3.25	YES HRDOW
L0000841	0	0.17606E-04	477389.4	3742572.4	456.0	3.49	6.51	3.25	YES HRDOW
L0000842	0	0.17606E-04	477403.4	3742572.3	455.9	3.49	6.51	3.25	YES HRDOW
L0000843	0	0.17606E-04	477417.4	3742572.2	455.4	3.49	6.51	3.25	YES HRDOW
L0000844	0	0.17606E-04	477431.4	3742572.1	455.0	3.49	6.51	3.25	YES HRDOW
L0000845	0	0.17606E-04	477445.4	3742571.9	454.6	3.49	6.51	3.25	YES HRDOW
L0000846	0	0.17606E-04	477459.4	3742571.8	454.2	3.49	6.51	3.25	YES HRDOW
L0000847	0	0.17606E-04	477473.4	3742571.7	454.1	3.49	6.51	3.25	YES HRDOW
L0000848	0	0.17606E-04	477487.4	3742571.6	454.0	3.49	6.51	3.25	YES HRDOW
L0000849	0	0.17606E-04	477501.4	3742571.5	453.7	3.49	6.51	3.25	YES HRDOW
L0000850	0	0.17606E-04	477515.4	3742571.3	453.3	3.49	6.51	3.25	YES HRDOW
L0000851	0	0.17606E-04	477529.4	3742571.2	453.1	3.49	6.51	3.25	YES HRDOW
L0000852	0	0.17606E-04	477543.4	3742571.1	453.0	3.49	6.51	3.25	YES HRDOW
L0000853	0	0.17606E-04	477557.4	3742571.0	452.8	3.49	6.51	3.25	YES HRDOW
L0000854	0	0.17606E-04	477571.4	3742570.9	452.4	3.49	6.51	3.25	YES HRDOW
L0000855	0	0.17606E-04	477585.4	3742570.8	452.2	3.49	6.51	3.25	YES HRDOW
L0000856	0	0.17606E-04	477599.4	3742570.6	452.1	3.49	6.51	3.25	YES HRDOW
L0000857	0	0.17606E-04	477613.4	3742570.5	451.9	3.49	6.51	3.25	YES HRDOW
L0000858	0	0.17606E-04	477627.4	3742570.4	451.5	3.49	6.51	3.25	YES HRDOW
L0000859	0	0.17606E-04	477641.4	3742570.3	451.2	3.49	6.51	3.25	YES HRDOW
L0000860	0	0.17606E-04	477655.4	3742570.2	451.1	3.49	6.51	3.25	YES HRDOW
L0000861	0	0.17606E-04	477669.4	3742570.0	451.0	3.49	6.51	3.25	YES HRDOW

```
 L0000862         0   0.17606E-04  477683.4 3742569.9   451.0     3.49     6.51     3.25
 YES   HRDOW
 L0000863         0   0.17606E-04  477697.4 3742569.8   451.0     3.49     6.51     3.25
 YES   HRDOW
 L0000864         0   0.17606E-04  477711.4 3742569.7   450.6     3.49     6.51     3.25
 YES   HRDOW
 L0000865         0   0.17606E-04  477725.4 3742569.6   450.2     3.49     6.51     3.25
 YES   HRDOW
 L0000866         0   0.17606E-04  477739.4 3742569.5   450.0     3.49     6.51     3.25
 YES   HRDOW
 L0000867         0   0.17606E-04  477753.4 3742569.3   450.0     3.49     6.51     3.25
 YES   HRDOW
 VOL1             0   0.52720E-03  476841.2 3742338.3   476.2     5.00     9.53     1.40
 YES   HRDOW
 VOL2             0   0.52720E-03  476882.5 3742339.0   473.4     5.00     9.53     1.40
 YES   HRDOW
 VOL3             0   0.52720E-03  476923.0 3742340.8   470.8     5.00     9.53     1.40
 YES   HRDOW
 VOL4             0   0.52720E-03  476964.2 3742341.8   468.5     5.00     9.53     1.40
 YES   HRDOW
 VOL5             0   0.52720E-03  477000.8 3742343.4   467.8     5.00     9.53     1.40
 YES   HRDOW
 VOL6             0   0.52720E-03  477001.5 3742302.6   468.3     5.00     9.53     1.40
 YES   HRDOW
 VOL7             0   0.52720E-03  476961.0 3742302.4   469.8     5.00     9.53     1.40
 YES   HRDOW
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       11:31:12

                      PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 VOL8             0   0.52720E-03  476920.2 3742302.6   472.0     5.00     9.53     1.40
 YES   HRDOW
 VOL9             0   0.52720E-03  476879.5 3742302.4   473.8     5.00     9.53     1.40
 YES   HRDOW
 VOL10            0   0.52720E-03  476841.0 3742302.2   476.3     5.00     9.53     1.40
 YES   HRDOW
 VOL11            0   0.52720E-03  476840.5 3742261.6   476.3     5.00     9.53     1.40
 YES   HRDOW
 VOL12            0   0.52720E-03  476881.1 3742261.6   474.3     5.00     9.53     1.40
 YES   HRDOW
 VOL13            0   0.52720E-03  476921.8 3742261.6   472.4     5.00     9.53     1.40
 YES   HRDOW
 VOL14            0   0.52720E-03  476962.4 3742261.4   470.6     5.00     9.53     1.40
 YES   HRDOW
 VOL15            0   0.52720E-03  477001.3 3742261.4   468.9     5.00     9.53     1.40
 YES   HRDOW
 VOL16            0   0.52720E-03  477001.0 3742220.9   469.9     5.00     9.53     1.40
 YES   HRDOW
 VOL17            0   0.52720E-03  476960.5 3742220.6   471.2     5.00     9.53     1.40
 YES   HRDOW
```

```
 VOL18            0   0.52720E-03  476919.8 3742220.9   473.0     5.00     9.53     1.40
 YES   HRDOW
 VOL19            0   0.52720E-03  476879.2 3742220.9   474.7     5.00     9.53     1.40
 YES   HRDOW
 VOL20            0   0.52720E-03  476840.5 3742220.6   476.6     5.00     9.53     1.40
 YES   HRDOW
 VOL21            0   0.52720E-03  476840.5 3742182.7   476.6     5.00     9.53     1.40
 YES   HRDOW
 VOL22            0   0.52720E-03  476881.3 3742182.9   474.7     5.00     9.53     1.40
 YES   HRDOW
 VOL23            0   0.52720E-03  476922.3 3742182.9   473.0     5.00     9.53     1.40
 YES   HRDOW
 VOL24            0   0.52720E-03  476963.0 3742183.3   471.6     5.00     9.53     1.40
 YES   HRDOW
 VOL25            0   0.52720E-03  477000.8 3742184.5   470.3     5.00     9.53     1.40
 YES   HRDOW
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        11:31:12

                      PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

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


  ALL        L0000544    , L0000545    , L0000546    , L0000547    , L0000548    , L0000549    ,
  L0000550    , L0000551    ,

             L0000552    , L0000553    , L0000554    , 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    , L0000583    ,

             L0000584    , L0000585    , L0000586    , L0000587    , L0000588    , L0000589    ,
             L0000590    , L0000591    ,

             L0000592    , L0000593    , L0000594    , L0000595    , L0000596    , L0000597    ,
             L0000598    , L0000599    ,

             L0000600    , L0000601    , L0000602    , L0000603    , L0000604    , L0000605    ,
             L0000606    , L0000607    ,

             L0000608    , L0000609    , L0000610    , L0000611    , L0000612    , L0000613    ,
             L0000614    , L0000615    ,

             L0000616    , L0000617    , L0000618    , L0000619    , L0000831    , L0000832    ,
             L0000833    , L0000834    ,

             L0000835    , L0000836    , L0000837    , L0000838    , L0000839    , L0000840    ,
             L0000841    , L0000842    ,

             L0000843    , L0000844    , L0000845    , L0000846    , L0000847    , L0000848    ,
             L0000849    , L0000850    ,
```

L0000851 , L0000852 , L0000853 , L0000854 , L0000855 , L0000856 ,
L0000857 , L0000858 ,

L0000859 , L0000860 , L0000861 , L0000862 , L0000863 , L0000864 ,
L0000865 , L0000866 ,

L0000867 , VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 ,

VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 ,

VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 ,

VOL24 , VOL25 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	L0000544 , L0000545 , L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , L0000551 ,

L0000552 , L0000553 , L0000554 , 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 , L0000583 ,

L0000584 , L0000585 , L0000586 , L0000587 , L0000588 , L0000589 ,
L0000590 , L0000591 ,

L0000592 , L0000593 , L0000594 , L0000595 , L0000596 , L0000597 ,
L0000598 , L0000599 ,

L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 ,
L0000606 , L0000607 ,

L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
L0000614 , L0000615 ,

L0000616 , L0000617 , L0000618 , L0000619 , L0000831 , L0000832 ,
L0000833 , L0000834 ,

L0000835 , L0000836 , L0000837 , L0000838 , L0000839 , L0000840 ,
L0000841 , L0000842 ,

L0000843 , L0000844 , L0000845 , L0000846 , L0000847 , L0000848 ,
L0000849 , L0000850 ,

L0000851 , L0000852 , L0000853 , L0000854 , L0000855 , L0000856 ,
L0000857 , L0000858 ,

L0000859 , L0000860 , L0000861 , L0000862 , L0000863 , L0000864 ,
L0000865 , L0000866 ,

L0000867 , VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 ,

VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 ,

VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 ,

VOL24 , VOL25 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:31:12

PAGE 10
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22

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

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                        PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                     * 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  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                        PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

```
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                       ***        11:31:12

                        PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * 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  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                       ***        11:31:12

                        PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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

SOURCE ID = L0000554 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22

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

SOURCE ID = L0000558 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22

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

SOURCE ID = L0000559 ; SOURCE TYPE = VOLUME :

DAY OF WEEK = WEEKDAY

```
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12

                     PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:31:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                       PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
```

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                     * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                     * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  43
```

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

SOURCE ID = L0000579 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000580 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

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

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

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

```
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12

                      PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12

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

                   * 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  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
```

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

SOURCE ID = L0000588 ; SOURCE TYPE = VOLUME :

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

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

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12

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

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12

                      PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000594 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = L0000599 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

DAY OF WEEK = WEEKDAY

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

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

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                        PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                     * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                        PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                     * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                        PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                     * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12
```

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

SOURCE ID = L0000604 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                      PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                      PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

DAY OF WEEK = SUNDAY

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

SOURCE ID = L0000608 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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

SOURCE ID = L0000609 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
```

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

                  * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        11:31:12

                        PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

SOURCE ID = L0000615 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:31:12

PAGE 81
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* 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	HOUR	SCALAR						

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:31:12

PAGE 82
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* 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	HOUR	SCALAR						

```
 - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                     * 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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

SOURCE ID = L0000831 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000832 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000833 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000834 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

SOURCE ID = L0000835 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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

SOURCE ID = L0000836 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

```
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12

                     PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000837     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12

                     PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000838     ; SOURCE TYPE = VOLUME   :
```

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12

                      PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000839     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:31:12
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000840 ; SOURCE TYPE = VOLUME :

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

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:31:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000841 ; SOURCE TYPE = VOLUME :

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

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000842     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                      PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000843     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                        PAGE  97
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000844     ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                        PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000845     ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000846 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

```
                     (HRDOW) *

 SOURCE ID = L0000847     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                       ***        11:31:12

                        PAGE 101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000848     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
```

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

SOURCE ID = L0000849 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000850 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                      PAGE 106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                      PAGE 107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                     * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                        PAGE 109
```

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

SOURCE ID = L0000856 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

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

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

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

DAY OF WEEK = SUNDAY

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

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

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

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * 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  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                        PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                     * 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   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
```

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

SOURCE ID = L0000865 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        11:31:12

                     PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * 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  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        11:31:12

                     PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL1         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        11:31:12

                        PAGE 122
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL2         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        11:31:12

                        PAGE 123
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :

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

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE 129
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL9         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL10        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
```

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

```
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12

                        PAGE 133
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL13        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:31:12
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:31:12

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                     PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL23       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        11:31:12

                     PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

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

(476904.2, 3742058.8, 474.8, 605.0, 0.0); (477467.7, 3742374.3, 456.5, 456.5, 0.0);
(477466.4, 3742218.6, 458.0, 458.0, 0.0); (476774.9, 3742390.7, 480.6, 592.0, 0.0);
(477000.1, 3742500.8, 466.3, 502.0, 0.0); (476784.3, 3742498.8, 477.0, 560.0, 0.0);
(476660.0, 3742412.9, 486.4, 560.0, 0.0); (476671.1, 3742468.9, 482.4, 560.0, 0.0);
(476659.5, 3742435.1, 484.9, 560.0, 0.0); (476581.1, 3742647.1, 479.9, 479.9, 0.0);
(476481.8, 3742586.8, 487.5, 545.0, 0.0); (477315.4, 3742641.3,

456.8, 456.8, 0.0);
(477444.1, 3742142.7, 459.5, 459.5, 0.0); (477602.2, 3741979.1,
457.2, 457.2, 0.0);
(477600.0, 3741846.4, 457.3, 457.3, 0.0); (477626.3, 3741698.2,
457.4, 457.4, 0.0);
(477624.1, 3741609.1, 457.6, 593.0, 0.0); (477406.4, 3741335.0,
466.8, 605.0, 0.0);
(477401.0, 3741274.8, 467.9, 605.0, 0.0); (477400.6, 3741216.4,
468.0, 605.0, 0.0);
(477401.0, 3741187.0, 468.0, 605.0, 0.0); (477401.0, 3741143.0,
468.0, 605.0, 0.0);
(477401.0, 3741101.3, 468.0, 605.0, 0.0); (477401.0, 3741071.1,
468.0, 605.0, 0.0);
(477598.8, 3741016.7, 461.4, 593.0, 0.0); (477626.3, 3741068.8,
460.4, 593.0, 0.0);
(477777.3, 3740889.9, 457.4, 593.0, 0.0); (477709.0, 3740963.7,
457.9, 593.0, 0.0);
(477743.7, 3740922.8, 457.6, 593.0, 0.0); (477402.5, 3740968.0,
467.9, 605.0, 0.0);
(477646.1, 3741499.7, 457.8, 593.0, 0.0); (478157.0, 3742330.8,
446.0, 446.0, 0.0);
(478118.1, 3742202.5, 447.0, 447.0, 0.0); (477044.8, 3742781.8,
462.0, 462.0, 0.0);
(477306.2, 3742121.6, 463.0, 592.0, 0.0); (476888.5, 3742604.1,
470.0, 470.0, 0.0);
(476762.8, 3742021.4, 483.7, 605.0, 0.0); (476849.8, 3741844.2,
481.7, 605.0, 0.0);

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80	11.	9.1	292.5	5.5
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90	351.	9.1	290.4	5.5
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	186.	9.1	287.5	5.5
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90				

```
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/16/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:31:12

                     PAGE 149
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5 YEARS FOR
                   SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000544    , L0000545    ,
                                  L0000546    , L0000547    , L0000548    ,
                 L0000549    , L0000550    , L0000551    , L0000552    , L0000553    ,
                 L0000554    , L0000555    , L0000556    ,
                 L0000557    , L0000558    , L0000559    , L0000560    , L0000561    ,
                 L0000562    , L0000563    , L0000564    ,
                 L0000565    , L0000566    , L0000567    , L0000568    , L0000569    ,
                 L0000570    , L0000571    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF DPM      IN
                                    MICROGRAMS/M**3                          **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)   Y-COORD
       (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
         476904.24    3742058.77        0.02972                       477467.74
         3742374.29        0.00248
         477466.43    3742218.64        0.00204                       476774.92
         3742390.68        0.02327
         477000.12    3742500.81        0.01590                       476784.33
         3742498.77        0.01563
         476660.05    3742412.95        0.00590                       476671.12
         3742468.91        0.00561
         476659.47    3742435.10        0.00560                       476581.13
         3742647.07        0.00220
         476481.76    3742586.78        0.00165                       477315.44
         3742641.34        0.00460
         477444.07    3742142.73        0.00216                       477602.24
         3741979.10        0.00132
         477599.97    3741846.38        0.00136                       477626.33
         3741698.21        0.00127
         477624.06    3741609.12        0.00126                       477406.44
         3741335.02        0.00135
         477401.03    3741274.75        0.00123                       477400.65
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.02972	AT (476904.24, 3742058.77, 474.77, 605.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02327	AT (476774.92, 3742390.68, 480.55, 592.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01590	AT (477000.12, 3742500.81, 466.32, 502.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01563	AT (476784.33, 3742498.77, 477.00, 560.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01100	AT (476888.55, 3742604.09, 470.04, 470.04, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00948	AT (476762.82, 3742021.36, 483.73, 605.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00590	AT (476660.05, 3742412.95, 486.35, 560.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00561	AT (476671.12, 3742468.91, 482.44, 560.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00560	AT (476659.47, 3742435.10, 484.86, 560.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00462	AT (476849.76, 3741844.16, 481.74, 605.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.02972	AT (476904.24, 3742058.77, 474.77, 605.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.02327	AT (476774.92, 3742390.68, 480.55, 592.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01590	AT (477000.12, 3742500.81, 466.32, 502.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.01563	AT (476784.33, 3742498.77, 477.00, 560.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.01100	AT (476888.55, 3742604.09, 470.04, 470.04, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00948	AT (476762.82, 3742021.36, 483.73, 605.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00590	AT (476660.05, 3742412.95, 486.35, 560.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00561	AT (476671.12, 3742468.91, 482.44, 560.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00560	AT (476659.47, 3742435.10, 484.86, 560.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00462	AT (476849.76, 3741844.16, 481.74, 605.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

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

ME W186	2113	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used		0.50
ME W187	2113	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET		
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		2 year gap

****
*** AERMOD Finishes Successfully ***
****

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 5/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\14421 Ops.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "14421 Ops.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001541
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 476958.528, 3742320.445, 469.38, 3.49, 4.00
** 476958.146, 3742214.047, 471.79, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0000378     VOLUME   476958.512 3742316.150 469.38
   LOCATION L0000379     VOLUME   476958.481 3742307.560 469.67
   LOCATION L0000380     VOLUME   476958.451 3742298.970 469.95
   LOCATION L0000381     VOLUME   476958.420 3742290.380 470.24
   LOCATION L0000382     VOLUME   476958.389 3742281.790 470.53
   LOCATION L0000383     VOLUME   476958.358 3742273.200 470.72
   LOCATION L0000384     VOLUME   476958.327 3742264.610 470.72
   LOCATION L0000385     VOLUME   476958.297 3742256.020 470.72
   LOCATION L0000386     VOLUME   476958.266 3742247.430 470.72
   LOCATION L0000387     VOLUME   476958.235 3742238.840 470.90
   LOCATION L0000388     VOLUME   476958.204 3742230.250 471.10
   LOCATION L0000389     VOLUME   476958.173 3742221.660 471.31
** End of LINE VOLUME Source ID = SLINE1
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Onsite
```

```
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 7.135E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 476822.003, 3742343.135, 477.19, 3.49, 4.00
** 476832.871, 3742343.707, 476.95, 3.49, 4.00
** 476848.316, 3742349.618, 476.05, 3.49, 4.00
** 476868.147, 3742353.813, 474.07, 3.49, 4.00
** 476979.693, 3742354.766, 468.00, 3.49, 4.00
** 476978.167, 3742164.471, 471.05, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0000390     VOLUME   476826.292 3742343.361 477.00
   LOCATION L0000391     VOLUME   476834.740 3742344.422 476.40
   LOCATION L0000392     VOLUME   476842.763 3742347.493 475.76
   LOCATION L0000393     VOLUME   476850.903 3742350.165 475.13
   LOCATION L0000394     VOLUME   476859.307 3742351.943 474.51
   LOCATION L0000395     VOLUME   476867.711 3742353.721 473.89
   LOCATION L0000396     VOLUME   476876.291 3742353.883 473.31
   LOCATION L0000397     VOLUME   476884.881 3742353.956 472.74
   LOCATION L0000398     VOLUME   476893.470 3742354.029 472.24
   LOCATION L0000399     VOLUME   476902.060 3742354.103 471.83
   LOCATION L0000400     VOLUME   476910.650 3742354.176 471.43
   LOCATION L0000401     VOLUME   476919.239 3742354.250 471.03
   LOCATION L0000402     VOLUME   476927.829 3742354.323 470.47
   LOCATION L0000403     VOLUME   476936.419 3742354.397 469.90
   LOCATION L0000404     VOLUME   476945.009 3742354.470 469.32
   LOCATION L0000405     VOLUME   476953.598 3742354.543 468.88
   LOCATION L0000406     VOLUME   476962.188 3742354.617 468.59
   LOCATION L0000407     VOLUME   476970.778 3742354.690 468.30
   LOCATION L0000408     VOLUME   476979.367 3742354.764 468.02
   LOCATION L0000409     VOLUME   476979.626 3742346.502 468.01
   LOCATION L0000410     VOLUME   476979.558 3742337.912 468.01
   LOCATION L0000411     VOLUME   476979.489 3742329.323 468.24
   LOCATION L0000412     VOLUME   476979.420 3742320.733 468.53
   LOCATION L0000413     VOLUME   476979.351 3742312.143 468.82
   LOCATION L0000414     VOLUME   476979.282 3742303.553 469.11
   LOCATION L0000415     VOLUME   476979.213 3742294.964 469.39
   LOCATION L0000416     VOLUME   476979.144 3742286.374 469.68
   LOCATION L0000417     VOLUME   476979.076 3742277.784 469.97
   LOCATION L0000418     VOLUME   476979.007 3742269.195 470.03
   LOCATION L0000419     VOLUME   476978.938 3742260.605 470.03
   LOCATION L0000420     VOLUME   476978.869 3742252.015 470.03
   LOCATION L0000421     VOLUME   476978.800 3742243.425 470.04
   LOCATION L0000422     VOLUME   476978.731 3742234.836 470.05
   LOCATION L0000423     VOLUME   476978.662 3742226.246 470.07
   LOCATION L0000424     VOLUME   476978.594 3742217.656 470.08
   LOCATION L0000425     VOLUME   476978.525 3742209.067 470.31
   LOCATION L0000426     VOLUME   476978.456 3742200.477 470.59
   LOCATION L0000427     VOLUME   476978.387 3742191.887 470.87
   LOCATION L0000428     VOLUME   476978.318 3742183.297 471.05
   LOCATION L0000429     VOLUME   476978.249 3742174.708 471.05
   LOCATION L0000430     VOLUME   476978.180 3742166.118 471.06
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Offsite Tobacco Placentia
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.768E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
```

```
** Nodes = 3
** 476817.620, 3742342.643, 478.07, 3.49, 4.00
** 476812.031, 3742563.721, 473.81, 3.49, 4.00
** 477242.078, 3742573.968, 458.16, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0000431     VOLUME   476817.511 3742346.936 477.46
   LOCATION L0000432     VOLUME   476817.294 3742355.524 477.19
   LOCATION L0000433     VOLUME   476817.077 3742364.111 476.92
   LOCATION L0000434     VOLUME   476816.860 3742372.698 476.87
   LOCATION L0000435     VOLUME   476816.643 3742381.285 476.88
   LOCATION L0000436     VOLUME   476816.426 3742389.873 476.90
   LOCATION L0000437     VOLUME   476816.209 3742398.460 476.91
   LOCATION L0000438     VOLUME   476815.992 3742407.047 476.92
   LOCATION L0000439     VOLUME   476815.775 3742415.635 476.94
   LOCATION L0000440     VOLUME   476815.557 3742424.222 476.95
   LOCATION L0000441     VOLUME   476815.340 3742432.809 476.86
   LOCATION L0000442     VOLUME   476815.123 3742441.396 476.73
   LOCATION L0000443     VOLUME   476814.906 3742449.984 476.60
   LOCATION L0000444     VOLUME   476814.689 3742458.571 476.43
   LOCATION L0000445     VOLUME   476814.472 3742467.158 476.15
   LOCATION L0000446     VOLUME   476814.255 3742475.745 475.87
   LOCATION L0000447     VOLUME   476814.038 3742484.333 475.59
   LOCATION L0000448     VOLUME   476813.821 3742492.920 475.31
   LOCATION L0000449     VOLUME   476813.604 3742501.507 475.03
   LOCATION L0000450     VOLUME   476813.387 3742510.094 474.75
   LOCATION L0000451     VOLUME   476813.169 3742518.682 474.52
   LOCATION L0000452     VOLUME   476812.952 3742527.269 474.40
   LOCATION L0000453     VOLUME   476812.735 3742535.856 474.29
   LOCATION L0000454     VOLUME   476812.518 3742544.443 474.18
   LOCATION L0000455     VOLUME   476812.301 3742553.031 473.94
   LOCATION L0000456     VOLUME   476812.084 3742561.618 473.67
   LOCATION L0000457     VOLUME   476818.515 3742563.876 473.17
   LOCATION L0000458     VOLUME   476827.103 3742564.080 472.59
   LOCATION L0000459     VOLUME   476835.690 3742564.285 472.20
   LOCATION L0000460     VOLUME   476844.278 3742564.489 471.91
   LOCATION L0000461     VOLUME   476852.865 3742564.694 471.62
   LOCATION L0000462     VOLUME   476861.453 3742564.899 471.32
   LOCATION L0000463     VOLUME   476870.040 3742565.103 471.03
   LOCATION L0000464     VOLUME   476878.628 3742565.308 470.74
   LOCATION L0000465     VOLUME   476887.216 3742565.513 470.44
   LOCATION L0000466     VOLUME   476895.803 3742565.717 470.08
   LOCATION L0000467     VOLUME   476904.391 3742565.922 469.69
   LOCATION L0000468     VOLUME   476912.978 3742566.126 469.31
   LOCATION L0000469     VOLUME   476921.566 3742566.331 468.94
   LOCATION L0000470     VOLUME   476930.153 3742566.536 468.66
   LOCATION L0000471     VOLUME   476938.741 3742566.740 468.37
   LOCATION L0000472     VOLUME   476947.328 3742566.945 468.08
   LOCATION L0000473     VOLUME   476955.916 3742567.149 467.80
   LOCATION L0000474     VOLUME   476964.504 3742567.354 467.51
   LOCATION L0000475     VOLUME   476973.091 3742567.559 467.23
   LOCATION L0000476     VOLUME   476981.679 3742567.763 466.94
   LOCATION L0000477     VOLUME   476990.266 3742567.968 466.65
   LOCATION L0000478     VOLUME   476998.854 3742568.173 466.37
   LOCATION L0000479     VOLUME   477007.441 3742568.377 466.08
   LOCATION L0000480     VOLUME   477016.029 3742568.582 465.64
   LOCATION L0000481     VOLUME   477024.617 3742568.786 465.14
   LOCATION L0000482     VOLUME   477033.204 3742568.991 464.63
   LOCATION L0000483     VOLUME   477041.792 3742569.196 464.17
   LOCATION L0000484     VOLUME   477050.379 3742569.400 463.87
   LOCATION L0000485     VOLUME   477058.967 3742569.605 463.58
   LOCATION L0000486     VOLUME   477067.554 3742569.809 463.29
   LOCATION L0000487     VOLUME   477076.142 3742570.014 463.16
   LOCATION L0000488     VOLUME   477084.729 3742570.219 463.10
   LOCATION L0000489     VOLUME   477093.317 3742570.423 463.04
   LOCATION L0000490     VOLUME   477101.905 3742570.628 462.93
   LOCATION L0000491     VOLUME   477110.492 3742570.832 462.65
```

```
   LOCATION L0000492     VOLUME   477119.080 3742571.037 462.36
   LOCATION L0000493     VOLUME   477127.667 3742571.242 462.07
   LOCATION L0000494     VOLUME   477136.255 3742571.446 461.79
   LOCATION L0000495     VOLUME   477144.842 3742571.651 461.50
   LOCATION L0000496     VOLUME   477153.430 3742571.856 461.21
   LOCATION L0000497     VOLUME   477162.018 3742572.060 460.93
   LOCATION L0000498     VOLUME   477170.605 3742572.265 460.64
   LOCATION L0000499     VOLUME   477179.193 3742572.469 460.36
   LOCATION L0000500     VOLUME   477187.780 3742572.674 460.07
   LOCATION L0000501     VOLUME   477196.368 3742572.879 459.81
   LOCATION L0000502     VOLUME   477204.955 3742573.083 459.55
   LOCATION L0000503     VOLUME   477213.543 3742573.288 459.29
   LOCATION L0000504     VOLUME   477222.130 3742573.492 459.01
   LOCATION L0000505     VOLUME   477230.718 3742573.697 458.72
   LOCATION L0000506     VOLUME   477239.306 3742573.902 458.43
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Offsite Placentia
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 2.202E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 477242.388, 3742573.657, 458.16, 3.49, 6.51
** 477760.617, 3742569.276, 449.95, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000507     VOLUME   477249.388 3742573.598 458.10
   LOCATION L0000508     VOLUME   477263.388 3742573.480 458.05
   LOCATION L0000509     VOLUME   477277.387 3742573.361 458.01
   LOCATION L0000510     VOLUME   477291.387 3742573.243 457.62
   LOCATION L0000511     VOLUME   477305.386 3742573.125 457.15
   LOCATION L0000512     VOLUME   477319.386 3742573.006 456.68
   LOCATION L0000513     VOLUME   477333.385 3742572.888 456.22
   LOCATION L0000514     VOLUME   477347.385 3742572.770 456.00
   LOCATION L0000515     VOLUME   477361.384 3742572.651 456.00
   LOCATION L0000516     VOLUME   477375.384 3742572.533 456.00
   LOCATION L0000517     VOLUME   477389.383 3742572.415 456.00
   LOCATION L0000518     VOLUME   477403.383 3742572.296 455.88
   LOCATION L0000519     VOLUME   477417.382 3742572.178 455.42
   LOCATION L0000520     VOLUME   477431.382 3742572.059 454.96
   LOCATION L0000521     VOLUME   477445.381 3742571.941 454.56
   LOCATION L0000522     VOLUME   477459.381 3742571.823 454.16
   LOCATION L0000523     VOLUME   477473.380 3742571.704 454.08
   LOCATION L0000524     VOLUME   477487.380 3742571.586 454.01
   LOCATION L0000525     VOLUME   477501.379 3742571.468 453.68
   LOCATION L0000526     VOLUME   477515.379 3742571.349 453.29
   LOCATION L0000527     VOLUME   477529.378 3742571.231 453.11
   LOCATION L0000528     VOLUME   477543.378 3742571.113 453.04
   LOCATION L0000529     VOLUME   477557.377 3742570.994 452.79
   LOCATION L0000530     VOLUME   477571.377 3742570.876 452.41
   LOCATION L0000531     VOLUME   477585.376 3742570.758 452.15
   LOCATION L0000532     VOLUME   477599.376 3742570.639 452.06
   LOCATION L0000533     VOLUME   477613.375 3742570.521 451.91
   LOCATION L0000534     VOLUME   477627.375 3742570.402 451.53
   LOCATION L0000535     VOLUME   477641.374 3742570.284 451.19
   LOCATION L0000536     VOLUME   477655.374 3742570.166 451.10
   LOCATION L0000537     VOLUME   477669.373 3742570.047 451.00
   LOCATION L0000538     VOLUME   477683.373 3742569.929 451.00
   LOCATION L0000539     VOLUME   477697.372 3742569.811 451.00
   LOCATION L0000540     VOLUME   477711.372 3742569.692 450.62
   LOCATION L0000541     VOLUME   477725.371 3742569.574 450.15
   LOCATION L0000542     VOLUME   477739.371 3742569.456 450.00
```

```
   LOCATION L0000543     VOLUME   477753.370 3742569.337 450.00
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Offsite Water
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.118E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 476977.345, 3742162.371, 471.04, 3.49, 4.00
** 477240.304, 3742165.376, 463.29, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000544     VOLUME   476981.640 3742162.420 470.94
   LOCATION L0000545     VOLUME   476990.229 3742162.518 470.65
   LOCATION L0000546     VOLUME   476998.819 3742162.616 470.37
   LOCATION L0000547     VOLUME   477007.408 3742162.715 470.08
   LOCATION L0000548     VOLUME   477015.998 3742162.813 469.80
   LOCATION L0000549     VOLUME   477024.587 3742162.911 469.51
   LOCATION L0000550     VOLUME   477033.177 3742163.009 469.22
   LOCATION L0000551     VOLUME   477041.766 3742163.107 468.99
   LOCATION L0000552     VOLUME   477050.355 3742163.205 468.92
   LOCATION L0000553     VOLUME   477058.945 3742163.304 468.85
   LOCATION L0000554     VOLUME   477067.534 3742163.402 468.78
   LOCATION L0000555     VOLUME   477076.124 3742163.500 468.55
   LOCATION L0000556     VOLUME   477084.713 3742163.598 468.26
   LOCATION L0000557     VOLUME   477093.303 3742163.696 467.97
   LOCATION L0000558     VOLUME   477101.892 3742163.794 467.68
   LOCATION L0000559     VOLUME   477110.481 3742163.893 467.39
   LOCATION L0000560     VOLUME   477119.071 3742163.991 467.10
   LOCATION L0000561     VOLUME   477127.660 3742164.089 466.81
   LOCATION L0000562     VOLUME   477136.250 3742164.187 466.52
   LOCATION L0000563     VOLUME   477144.839 3742164.285 466.23
   LOCATION L0000564     VOLUME   477153.429 3742164.383 465.94
   LOCATION L0000565     VOLUME   477162.018 3742164.482 465.65
   LOCATION L0000566     VOLUME   477170.608 3742164.580 465.36
   LOCATION L0000567     VOLUME   477179.197 3742164.678 465.07
   LOCATION L0000568     VOLUME   477187.786 3742164.776 464.78
   LOCATION L0000569     VOLUME   477196.376 3742164.874 464.49
   LOCATION L0000570     VOLUME   477204.965 3742164.972 464.20
   LOCATION L0000571     VOLUME   477213.555 3742165.071 463.91
   LOCATION L0000572     VOLUME   477222.144 3742165.169 463.65
   LOCATION L0000573     VOLUME   477230.734 3742165.267 463.44
   LOCATION L0000574     VOLUME   477239.323 3742165.365 463.24
** End of LINE VOLUME Source ID = SLINE5
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Offsite Harvill
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0000107
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 33
** 477243.952, 3742165.962, 463.20, 3.49, 6.51
** 477246.938, 3742127.691, 463.99, 3.49, 6.51
** 477249.381, 3742108.148, 464.16, 3.49, 6.51
** 477266.209, 3742056.033, 464.63, 3.49, 6.51
** 477300.138, 3741996.318, 463.41, 3.49, 6.51
** 477353.881, 3741946.647, 462.67, 3.49, 6.51
** 477392.153, 3741920.589, 461.12, 3.49, 6.51
```

```
** 477418.482, 3741900.775, 461.06, 3.49, 6.51
** 477449.696, 3741870.917, 460.54, 3.49, 6.51
** 477487.425, 3741817.174, 459.94, 3.49, 6.51
** 477502.625, 3741770.488, 459.73, 3.49, 6.51
** 477507.511, 3741741.445, 460.04, 3.49, 6.51
** 477509.140, 3741689.873, 460.50, 3.49, 6.51
** 477508.325, 3741553.887, 461.36, 3.49, 6.51
** 477507.782, 3741392.385, 462.63, 3.49, 6.51
** 477505.611, 3741173.613, 464.58, 3.49, 6.51
** 477512.668, 3741126.655, 464.08, 3.49, 6.51
** 477523.525, 3741088.112, 463.09, 3.49, 6.51
** 477565.326, 3741015.911, 462.05, 3.49, 6.51
** 477598.712, 3740980.083, 461.39, 3.49, 6.51
** 477633.455, 3740955.111, 460.04, 3.49, 6.51
** 477704.841, 3740911.682, 458.95, 3.49, 6.51
** 477764.556, 3740868.253, 457.96, 3.49, 6.51
** 477787.627, 3740845.182, 457.02, 3.49, 6.51
** 477810.156, 3740811.524, 456.14, 3.49, 6.51
** 477925.514, 3740647.580, 453.58, 3.49, 6.51
** 477975.186, 3740572.937, 452.95, 3.49, 6.51
** 478004.229, 3740535.479, 452.04, 3.49, 6.51
** 478025.943, 3740511.322, 452.02, 3.49, 6.51
** 478065.844, 3740481.193, 451.91, 3.49, 6.51
** 478092.715, 3740464.636, 450.97, 3.49, 6.51
** 478305.788, 3740362.578, 447.90, 3.49, 6.51
** 478528.792, 3740254.143, 445.00, 3.49, 6.51
** ---------------------------------------------------------------------
   LOCATION L0000575     VOLUME   477244.496 3742158.984 463.16
   LOCATION L0000576     VOLUME   477245.585 3742145.026 463.46
   LOCATION L0000577     VOLUME   477246.674 3742131.068 463.85
   LOCATION L0000578     VOLUME   477248.254 3742117.161 464.02
   LOCATION L0000579     VOLUME   477250.891 3742103.469 463.99
   LOCATION L0000580     VOLUME   477255.194 3742090.146 464.16
   LOCATION L0000581     VOLUME   477259.496 3742076.823 464.44
   LOCATION L0000582     VOLUME   477263.798 3742063.501 464.54
   LOCATION L0000583     VOLUME   477269.249 3742050.684 464.35
   LOCATION L0000584     VOLUME   477276.165 3742038.511 464.12
   LOCATION L0000585     VOLUME   477283.081 3742026.339 463.89
   LOCATION L0000586     VOLUME   477289.997 3742014.167 463.66
   LOCATION L0000587     VOLUME   477296.913 3742001.994 463.51
   LOCATION L0000588     VOLUME   477305.625 3741991.247 463.57
   LOCATION L0000589     VOLUME   477315.907 3741981.744 463.65
   LOCATION L0000590     VOLUME   477326.188 3741972.242 463.46
   LOCATION L0000591     VOLUME   477336.469 3741962.740 463.11
   LOCATION L0000592     VOLUME   477346.750 3741953.237 462.77
   LOCATION L0000593     VOLUME   477357.427 3741944.232 462.41
   LOCATION L0000594     VOLUME   477369.000 3741936.353 462.03
   LOCATION L0000595     VOLUME   477380.572 3741928.474 461.64
   LOCATION L0000596     VOLUME   477392.144 3741920.595 461.26
   LOCATION L0000597     VOLUME   477403.331 3741912.177 461.00
   LOCATION L0000598     VOLUME   477414.517 3741903.759 461.00
   LOCATION L0000599     VOLUME   477425.013 3741894.528 461.00
   LOCATION L0000600     VOLUME   477435.130 3741884.850 460.82
   LOCATION L0000601     VOLUME   477445.247 3741875.173 460.49
   LOCATION L0000602     VOLUME   477454.203 3741864.498 460.19
   LOCATION L0000603     VOLUME   477462.247 3741853.040 460.00
   LOCATION L0000604     VOLUME   477470.291 3741841.582 460.00
   LOCATION L0000605     VOLUME   477478.335 3741830.123 460.00
   LOCATION L0000606     VOLUME   477486.379 3741818.665 460.00
   LOCATION L0000607     VOLUME   477491.195 3741805.594 459.96
   LOCATION L0000608     VOLUME   477495.530 3741792.282 459.81
   LOCATION L0000609     VOLUME   477499.864 3741778.969 459.67
   LOCATION L0000610     VOLUME   477503.468 3741765.478 459.56
   LOCATION L0000611     VOLUME   477505.791 3741751.672 459.73
   LOCATION L0000612     VOLUME   477507.626 3741737.818 459.97
   LOCATION L0000613     VOLUME   477508.067 3741723.825 460.00
```

LOCATION L0000614 VOLUME 477508.509 3741709.832 460.00
LOCATION L0000615 VOLUME 477508.951 3741695.838 460.13
LOCATION L0000616 VOLUME 477509.091 3741681.842 460.29
LOCATION L0000617 VOLUME 477509.008 3741667.842 460.36
LOCATION L0000618 VOLUME 477508.924 3741653.842 460.37
LOCATION L0000619 VOLUME 477508.840 3741639.842 460.37
LOCATION L0000620 VOLUME 477508.756 3741625.843 460.37
LOCATION L0000621 VOLUME 477508.672 3741611.843 460.46
LOCATION L0000622 VOLUME 477508.588 3741597.843 460.76
LOCATION L0000623 VOLUME 477508.505 3741583.843 461.03
LOCATION L0000624 VOLUME 477508.421 3741569.844 461.21
LOCATION L0000625 VOLUME 477508.337 3741555.844 461.38
LOCATION L0000626 VOLUME 477508.285 3741541.844 461.39
LOCATION L0000627 VOLUME 477508.238 3741527.844 461.39
LOCATION L0000628 VOLUME 477508.191 3741513.844 461.39
LOCATION L0000629 VOLUME 477508.144 3741499.844 461.39
LOCATION L0000630 VOLUME 477508.097 3741485.844 461.60
LOCATION L0000631 VOLUME 477508.049 3741471.844 461.88
LOCATION L0000632 VOLUME 477508.002 3741457.844 462.00
LOCATION L0000633 VOLUME 477507.955 3741443.845 462.00
LOCATION L0000634 VOLUME 477507.908 3741429.845 462.08
LOCATION L0000635 VOLUME 477507.861 3741415.845 462.27
LOCATION L0000636 VOLUME 477507.814 3741401.845 462.40
LOCATION L0000637 VOLUME 477507.737 3741387.845 462.40
LOCATION L0000638 VOLUME 477507.598 3741373.846 462.41
LOCATION L0000639 VOLUME 477507.459 3741359.846 462.41
LOCATION L0000640 VOLUME 477507.320 3741345.847 462.42
LOCATION L0000641 VOLUME 477507.182 3741331.848 462.42
LOCATION L0000642 VOLUME 477507.043 3741317.848 462.43
LOCATION L0000643 VOLUME 477506.904 3741303.849 462.84
LOCATION L0000644 VOLUME 477506.765 3741289.850 463.31
LOCATION L0000645 VOLUME 477506.626 3741275.851 463.44
LOCATION L0000646 VOLUME 477506.487 3741261.851 463.45
LOCATION L0000647 VOLUME 477506.348 3741247.852 463.45
LOCATION L0000648 VOLUME 477506.209 3741233.853 463.46
LOCATION L0000649 VOLUME 477506.070 3741219.853 463.67
LOCATION L0000650 VOLUME 477505.931 3741205.854 464.14
LOCATION L0000651 VOLUME 477505.792 3741191.855 464.47
LOCATION L0000652 VOLUME 477505.653 3741177.855 464.47
LOCATION L0000653 VOLUME 477507.061 3741163.964 464.43
LOCATION L0000654 VOLUME 477509.142 3741150.119 464.36
LOCATION L0000655 VOLUME 477511.222 3741136.275 464.29
LOCATION L0000656 VOLUME 477513.826 3741122.543 464.20
LOCATION L0000657 VOLUME 477517.622 3741109.067 464.08
LOCATION L0000658 VOLUME 477521.418 3741095.592 463.62
LOCATION L0000659 VOLUME 477526.646 3741082.721 463.17
LOCATION L0000660 VOLUME 477533.661 3741070.605 462.92
LOCATION L0000661 VOLUME 477540.675 3741058.489 462.59
LOCATION L0000662 VOLUME 477547.690 3741046.373 462.08
LOCATION L0000663 VOLUME 477554.704 3741034.257 462.00
LOCATION L0000664 VOLUME 477561.719 3741022.141 462.00
LOCATION L0000665 VOLUME 477569.962 3741010.936 462.00
LOCATION L0000666 VOLUME 477579.506 3741000.693 462.00
LOCATION L0000667 VOLUME 477589.051 3740990.450 461.69
LOCATION L0000668 VOLUME 477598.595 3740980.208 461.38
LOCATION L0000669 VOLUME 477609.941 3740972.012 461.00
LOCATION L0000670 VOLUME 477621.309 3740963.841 460.62
LOCATION L0000671 VOLUME 477632.677 3740955.670 460.24
LOCATION L0000672 VOLUME 477644.597 3740948.332 459.88
LOCATION L0000673 VOLUME 477656.558 3740941.056 459.72
LOCATION L0000674 VOLUME 477668.518 3740933.780 459.76
LOCATION L0000675 VOLUME 477680.479 3740926.503 459.63
LOCATION L0000676 VOLUME 477692.439 3740919.227 459.25
LOCATION L0000677 VOLUME 477704.400 3740911.950 458.85
LOCATION L0000678 VOLUME 477715.746 3740903.751 458.47
LOCATION L0000679 VOLUME 477727.068 3740895.517 458.09

LOCATION L0000680 VOLUME 477738.390 3740887.283 458.00
LOCATION L0000681 VOLUME 477749.713 3740879.048 458.00
LOCATION L0000682 VOLUME 477761.035 3740870.814 457.96
LOCATION L0000683 VOLUME 477771.377 3740861.432 457.62
LOCATION L0000684 VOLUME 477781.276 3740851.533 457.29
LOCATION L0000685 VOLUME 477790.419 3740841.011 456.98
LOCATION L0000686 VOLUME 477798.206 3740829.377 456.72
LOCATION L0000687 VOLUME 477805.994 3740817.743 456.46
LOCATION L0000688 VOLUME 477813.906 3740806.194 456.20
LOCATION L0000689 VOLUME 477821.963 3740794.745 455.93
LOCATION L0000690 VOLUME 477830.019 3740783.295 455.66
LOCATION L0000691 VOLUME 477838.076 3740771.846 455.39
LOCATION L0000692 VOLUME 477846.132 3740760.396 455.13
LOCATION L0000693 VOLUME 477854.188 3740748.946 454.86
LOCATION L0000694 VOLUME 477862.245 3740737.497 454.59
LOCATION L0000695 VOLUME 477870.301 3740726.047 454.32
LOCATION L0000696 VOLUME 477878.358 3740714.598 454.05
LOCATION L0000697 VOLUME 477886.414 3740703.148 453.88
LOCATION L0000698 VOLUME 477894.471 3740691.698 453.91
LOCATION L0000699 VOLUME 477902.527 3740680.249 454.00
LOCATION L0000700 VOLUME 477910.583 3740668.799 453.98
LOCATION L0000701 VOLUME 477918.640 3740657.349 453.71
LOCATION L0000702 VOLUME 477926.652 3740645.870 453.44
LOCATION L0000703 VOLUME 477934.408 3740634.214 453.18
LOCATION L0000704 VOLUME 477942.164 3740622.559 452.92
LOCATION L0000705 VOLUME 477949.920 3740610.904 452.67
LOCATION L0000706 VOLUME 477957.676 3740599.249 452.41
LOCATION L0000707 VOLUME 477965.432 3740587.594 452.43
LOCATION L0000708 VOLUME 477973.188 3740575.938 452.60
LOCATION L0000709 VOLUME 477981.555 3740564.722 452.61
LOCATION L0000710 VOLUME 477990.134 3740553.658 452.33
LOCATION L0000711 VOLUME 477998.712 3740542.594 452.04
LOCATION L0000712 VOLUME 478007.569 3740531.763 452.11
LOCATION L0000713 VOLUME 478016.928 3740521.351 452.21
LOCATION L0000714 VOLUME 478026.354 3740511.012 452.10
LOCATION L0000715 VOLUME 478037.526 3740502.576 451.78
LOCATION L0000716 VOLUME 478048.699 3740494.139 451.62
LOCATION L0000717 VOLUME 478059.872 3740485.703 451.68
LOCATION L0000718 VOLUME 478071.392 3740477.775 451.58
LOCATION L0000719 VOLUME 478083.311 3740470.431 451.22
LOCATION L0000720 VOLUME 478095.379 3740463.360 450.90
LOCATION L0000721 VOLUME 478108.005 3740457.312 450.77
LOCATION L0000722 VOLUME 478120.632 3740451.264 450.81
LOCATION L0000723 VOLUME 478133.258 3740445.217 450.55
LOCATION L0000724 VOLUME 478145.884 3740439.169 450.13
LOCATION L0000725 VOLUME 478158.511 3740433.121 450.00
LOCATION L0000726 VOLUME 478171.137 3740427.073 450.00
LOCATION L0000727 VOLUME 478183.763 3740421.026 449.87
LOCATION L0000728 VOLUME 478196.390 3740414.978 449.45
LOCATION L0000729 VOLUME 478209.016 3740408.930 449.03
LOCATION L0000730 VOLUME 478221.642 3740402.882 448.78
LOCATION L0000731 VOLUME 478234.269 3740396.835 448.71
LOCATION L0000732 VOLUME 478246.895 3740390.787 448.65
LOCATION L0000733 VOLUME 478259.522 3740384.739 448.35
LOCATION L0000734 VOLUME 478272.148 3740378.691 448.00
LOCATION L0000735 VOLUME 478284.774 3740372.643 448.00
LOCATION L0000736 VOLUME 478297.401 3740366.596 448.00
LOCATION L0000737 VOLUME 478310.015 3740360.523 447.66
LOCATION L0000738 VOLUME 478322.605 3740354.401 447.24
LOCATION L0000739 VOLUME 478335.196 3740348.279 447.00
LOCATION L0000740 VOLUME 478347.786 3740342.157 447.00
LOCATION L0000741 VOLUME 478360.377 3740336.034 446.98
LOCATION L0000742 VOLUME 478372.967 3740329.912 446.56
LOCATION L0000743 VOLUME 478385.558 3740323.790 446.15
LOCATION L0000744 VOLUME 478398.148 3740317.668 446.00
LOCATION L0000745 VOLUME 478410.739 3740311.546 446.00

```
   LOCATION L0000746     VOLUME   478423.329 3740305.424 445.96
   LOCATION L0000747     VOLUME   478435.919 3740299.302 445.94
   LOCATION L0000748     VOLUME   478448.510 3740293.180 446.00
   LOCATION L0000749     VOLUME   478461.100 3740287.058 445.63
   LOCATION L0000750     VOLUME   478473.691 3740280.936 445.21
   LOCATION L0000751     VOLUME   478486.281 3740274.813 445.00
   LOCATION L0000752     VOLUME   478498.872 3740268.691 445.00
   LOCATION L0000753     VOLUME   478511.462 3740262.569 445.00
   LOCATION L0000754     VOLUME   478524.053 3740256.447 445.00
** End of LINE VOLUME Source ID = SLINE6
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000378     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000379     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000380     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000381     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000382     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000383     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000384     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000385     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000386     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000387     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000388     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000389     0.000001284      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000390     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000391     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000392     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000393     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000394     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000395     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000396     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000397     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000398     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000399     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000400     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000401     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000402     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000403     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000404     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000405     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000406     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000407     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000408     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000409     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000410     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000411     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000412     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000413     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000414     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000415     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000416     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000417     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000418     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000419     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000420     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000421     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000422     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000423     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000424     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000425     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000426     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000427     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000428     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000429     0.000000174      3.49      4.00      3.25
```

```
   SRCPARAM L0000430     0.000000174      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000431     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000432     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000433     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000434     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000435     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000436     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000437     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000438     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000439     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000440     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000441     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000442     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000443     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000444     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000445     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000446     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000447     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000448     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000449     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000450     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000451     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000452     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000453     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000454     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000455     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000456     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000457     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000458     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000459     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000460     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000461     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000462     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000463     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000464     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000465     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000466     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000467     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000468     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000469     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000470     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000471     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000472     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000473     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000474     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000475     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000476     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000477     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000478     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000479     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000480     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000481     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000482     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000483     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000484     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000485     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000486     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000487     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000488     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000489     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000490     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000491     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000492     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000493     0.00000003642      3.49      4.00      3.25
```

```
   SRCPARAM L0000494     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000495     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000496     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000497     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000498     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000499     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000500     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000501     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000502     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000503     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000504     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000505     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000506     0.00000003642      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000507     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000508     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000509     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000510     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000511     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000512     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000513     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000514     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000515     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000516     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000517     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000518     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000519     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000520     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000521     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000522     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000523     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000524     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000525     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000526     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000527     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000528     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000529     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000530     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000531     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000532     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000533     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000534     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000535     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000536     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000537     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000538     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000539     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000540     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000541     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000542     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000543     0.00000005951      3.49      6.51      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0000544     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000545     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000546     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000547     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000548     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000549     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000550     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000551     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000552     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000553     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000554     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000555     0.00000003606      3.49      4.00      3.25
```

```
   SRCPARAM L0000556     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000557     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000558     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000559     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000560     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000561     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000562     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000563     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000564     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000565     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000566     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000567     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000568     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000569     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000570     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000571     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000572     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000573     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000574     0.00000003606      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0000575     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000576     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000577     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000578     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000579     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000580     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000581     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000582     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000583     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000584     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000585     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000586     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000587     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000588     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000589     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000590     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000591     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000592     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000593     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000594     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000595     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000596     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000597     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000598     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000599     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000600     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000601     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000602     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000603     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000604     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000605     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000606     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000607     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000608     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000609     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000610     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000611     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000612     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000613     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000614     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000615     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000616     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000617     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000618     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000619     0.00000005944      3.49      6.51      3.25
```

```
SRCPARAM L0000620     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000621     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000622     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000623     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000624     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000625     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000626     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000627     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000628     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000629     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000630     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000631     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000632     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000633     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000634     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000635     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000636     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000637     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000638     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000639     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000640     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000641     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000642     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000643     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000644     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000645     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000646     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000647     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000648     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000649     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000650     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000651     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000652     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000653     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000654     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000655     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000656     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000657     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000658     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000659     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000660     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000661     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000662     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000663     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000664     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000665     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000666     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000667     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000668     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000669     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000670     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000671     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000672     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000673     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000674     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000675     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000676     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000677     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000678     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000679     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000680     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000681     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000682     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000683     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000684     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000685     0.00000005944      3.49      6.51      3.25
```

```
SRCPARAM L0000686     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000687     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000688     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000689     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000690     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000691     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000692     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000693     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000694     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000695     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000696     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000697     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000698     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000699     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000700     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000701     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000702     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000703     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000704     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000705     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000706     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000707     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000708     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000709     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000710     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000711     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000712     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000713     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000714     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000715     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000716     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000717     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000718     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000719     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000720     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000721     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000722     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000723     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000724     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000725     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000726     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000727     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000728     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000729     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000730     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000731     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000732     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000733     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000734     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000735     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000736     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000737     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000738     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000739     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000740     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000741     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000742     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000743     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000744     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000745     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000746     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000747     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000748     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000749     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000750     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000751     0.00000005944      3.49      6.51      3.25
```

```
   SRCPARAM L0000752     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000753     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000754     0.00000005944      3.49      6.51      3.25
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "14421 Ops.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "14421 Ops.AD\AN00GALL.PLT" 31
   SUMMFILE "14421 Ops.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 5/13/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\14421 Ops.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "14421 Ops.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001541
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 476958.528, 3742320.445, 469.38, 3.49, 4.00
** 476958.146, 3742214.047, 471.79, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0000378     VOLUME   476958.512 3742316.150 469.38
   LOCATION L0000379     VOLUME   476958.481 3742307.560 469.67
   LOCATION L0000380     VOLUME   476958.451 3742298.970 469.95
   LOCATION L0000381     VOLUME   476958.420 3742290.380 470.24
   LOCATION L0000382     VOLUME   476958.389 3742281.790 470.53
   LOCATION L0000383     VOLUME   476958.358 3742273.200 470.72
   LOCATION L0000384     VOLUME   476958.327 3742264.610 470.72
   LOCATION L0000385     VOLUME   476958.297 3742256.020 470.72
   LOCATION L0000386     VOLUME   476958.266 3742247.430 470.72
   LOCATION L0000387     VOLUME   476958.235 3742238.840 470.90
   LOCATION L0000388     VOLUME   476958.204 3742230.250 471.10
   LOCATION L0000389     VOLUME   476958.173 3742221.660 471.31
** End of LINE VOLUME Source ID = SLINE1
** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Onsite
```

```
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 7.135E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 476822.003, 3742343.135, 477.19, 3.49, 4.00
** 476832.871, 3742343.707, 476.95, 3.49, 4.00
** 476848.316, 3742349.618, 476.05, 3.49, 4.00
** 476868.147, 3742353.813, 474.07, 3.49, 4.00
** 476979.693, 3742354.766, 468.00, 3.49, 4.00
** 476978.167, 3742164.471, 471.05, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0000390     VOLUME   476826.292 3742343.361 477.00
   LOCATION L0000391     VOLUME   476834.740 3742344.422 476.40
   LOCATION L0000392     VOLUME   476842.763 3742347.493 475.76
   LOCATION L0000393     VOLUME   476850.903 3742350.165 475.13
   LOCATION L0000394     VOLUME   476859.307 3742351.943 474.51
   LOCATION L0000395     VOLUME   476867.711 3742353.721 473.89
   LOCATION L0000396     VOLUME   476876.291 3742353.883 473.31
   LOCATION L0000397     VOLUME   476884.881 3742353.956 472.74
   LOCATION L0000398     VOLUME   476893.470 3742354.029 472.24
   LOCATION L0000399     VOLUME   476902.060 3742354.103 471.83
   LOCATION L0000400     VOLUME   476910.650 3742354.176 471.43
   LOCATION L0000401     VOLUME   476919.239 3742354.250 471.03
   LOCATION L0000402     VOLUME   476927.829 3742354.323 470.47
   LOCATION L0000403     VOLUME   476936.419 3742354.397 469.90
   LOCATION L0000404     VOLUME   476945.009 3742354.470 469.32
   LOCATION L0000405     VOLUME   476953.598 3742354.543 468.88
   LOCATION L0000406     VOLUME   476962.188 3742354.617 468.59
   LOCATION L0000407     VOLUME   476970.778 3742354.690 468.30
   LOCATION L0000408     VOLUME   476979.367 3742354.764 468.02
   LOCATION L0000409     VOLUME   476979.626 3742346.502 468.01
   LOCATION L0000410     VOLUME   476979.558 3742337.912 468.01
   LOCATION L0000411     VOLUME   476979.489 3742329.323 468.24
   LOCATION L0000412     VOLUME   476979.420 3742320.733 468.53
   LOCATION L0000413     VOLUME   476979.351 3742312.143 468.82
   LOCATION L0000414     VOLUME   476979.282 3742303.553 469.11
   LOCATION L0000415     VOLUME   476979.213 3742294.964 469.39
   LOCATION L0000416     VOLUME   476979.144 3742286.374 469.68
   LOCATION L0000417     VOLUME   476979.076 3742277.784 469.97
   LOCATION L0000418     VOLUME   476979.007 3742269.195 470.03
   LOCATION L0000419     VOLUME   476978.938 3742260.605 470.03
   LOCATION L0000420     VOLUME   476978.869 3742252.015 470.03
   LOCATION L0000421     VOLUME   476978.800 3742243.425 470.04
   LOCATION L0000422     VOLUME   476978.731 3742234.836 470.05
   LOCATION L0000423     VOLUME   476978.662 3742226.246 470.07
   LOCATION L0000424     VOLUME   476978.594 3742217.656 470.08
   LOCATION L0000425     VOLUME   476978.525 3742209.067 470.31
   LOCATION L0000426     VOLUME   476978.456 3742200.477 470.59
   LOCATION L0000427     VOLUME   476978.387 3742191.887 470.87
   LOCATION L0000428     VOLUME   476978.318 3742183.297 471.05
   LOCATION L0000429     VOLUME   476978.249 3742174.708 471.05
   LOCATION L0000430     VOLUME   476978.180 3742166.118 471.06
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Offsite Tobacco Placentia
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.768E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
```

```
** Nodes = 3
** 476817.620, 3742342.643, 478.07, 3.49, 4.00
** 476812.031, 3742563.721, 473.81, 3.49, 4.00
** 477242.078, 3742573.968, 458.16, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0000431     VOLUME   476817.511 3742346.936 477.46
   LOCATION L0000432     VOLUME   476817.294 3742355.524 477.19
   LOCATION L0000433     VOLUME   476817.077 3742364.111 476.92
   LOCATION L0000434     VOLUME   476816.860 3742372.698 476.87
   LOCATION L0000435     VOLUME   476816.643 3742381.285 476.88
   LOCATION L0000436     VOLUME   476816.426 3742389.873 476.90
   LOCATION L0000437     VOLUME   476816.209 3742398.460 476.91
   LOCATION L0000438     VOLUME   476815.992 3742407.047 476.92
   LOCATION L0000439     VOLUME   476815.775 3742415.635 476.94
   LOCATION L0000440     VOLUME   476815.557 3742424.222 476.95
   LOCATION L0000441     VOLUME   476815.340 3742432.809 476.86
   LOCATION L0000442     VOLUME   476815.123 3742441.396 476.73
   LOCATION L0000443     VOLUME   476814.906 3742449.984 476.60
   LOCATION L0000444     VOLUME   476814.689 3742458.571 476.43
   LOCATION L0000445     VOLUME   476814.472 3742467.158 476.15
   LOCATION L0000446     VOLUME   476814.255 3742475.745 475.87
   LOCATION L0000447     VOLUME   476814.038 3742484.333 475.59
   LOCATION L0000448     VOLUME   476813.821 3742492.920 475.31
   LOCATION L0000449     VOLUME   476813.604 3742501.507 475.03
   LOCATION L0000450     VOLUME   476813.387 3742510.094 474.75
   LOCATION L0000451     VOLUME   476813.169 3742518.682 474.52
   LOCATION L0000452     VOLUME   476812.952 3742527.269 474.40
   LOCATION L0000453     VOLUME   476812.735 3742535.856 474.29
   LOCATION L0000454     VOLUME   476812.518 3742544.443 474.18
   LOCATION L0000455     VOLUME   476812.301 3742553.031 473.94
   LOCATION L0000456     VOLUME   476812.084 3742561.618 473.67
   LOCATION L0000457     VOLUME   476818.515 3742563.876 473.17
   LOCATION L0000458     VOLUME   476827.103 3742564.080 472.59
   LOCATION L0000459     VOLUME   476835.690 3742564.285 472.20
   LOCATION L0000460     VOLUME   476844.278 3742564.489 471.91
   LOCATION L0000461     VOLUME   476852.865 3742564.694 471.62
   LOCATION L0000462     VOLUME   476861.453 3742564.899 471.32
   LOCATION L0000463     VOLUME   476870.040 3742565.103 471.03
   LOCATION L0000464     VOLUME   476878.628 3742565.308 470.74
   LOCATION L0000465     VOLUME   476887.216 3742565.513 470.44
   LOCATION L0000466     VOLUME   476895.803 3742565.717 470.08
   LOCATION L0000467     VOLUME   476904.391 3742565.922 469.69
   LOCATION L0000468     VOLUME   476912.978 3742566.126 469.31
   LOCATION L0000469     VOLUME   476921.566 3742566.331 468.94
   LOCATION L0000470     VOLUME   476930.153 3742566.536 468.66
   LOCATION L0000471     VOLUME   476938.741 3742566.740 468.37
   LOCATION L0000472     VOLUME   476947.328 3742566.945 468.08
   LOCATION L0000473     VOLUME   476955.916 3742567.149 467.80
   LOCATION L0000474     VOLUME   476964.504 3742567.354 467.51
   LOCATION L0000475     VOLUME   476973.091 3742567.559 467.23
   LOCATION L0000476     VOLUME   476981.679 3742567.763 466.94
   LOCATION L0000477     VOLUME   476990.266 3742567.968 466.65
   LOCATION L0000478     VOLUME   476998.854 3742568.173 466.37
   LOCATION L0000479     VOLUME   477007.441 3742568.377 466.08
   LOCATION L0000480     VOLUME   477016.029 3742568.582 465.64
   LOCATION L0000481     VOLUME   477024.617 3742568.786 465.14
   LOCATION L0000482     VOLUME   477033.204 3742568.991 464.63
   LOCATION L0000483     VOLUME   477041.792 3742569.196 464.17
   LOCATION L0000484     VOLUME   477050.379 3742569.400 463.87
   LOCATION L0000485     VOLUME   477058.967 3742569.605 463.58
   LOCATION L0000486     VOLUME   477067.554 3742569.809 463.29
   LOCATION L0000487     VOLUME   477076.142 3742570.014 463.16
   LOCATION L0000488     VOLUME   477084.729 3742570.219 463.10
   LOCATION L0000489     VOLUME   477093.317 3742570.423 463.04
   LOCATION L0000490     VOLUME   477101.905 3742570.628 462.93
   LOCATION L0000491     VOLUME   477110.492 3742570.832 462.65
```

```
   LOCATION L0000492     VOLUME   477119.080 3742571.037 462.36
   LOCATION L0000493     VOLUME   477127.667 3742571.242 462.07
   LOCATION L0000494     VOLUME   477136.255 3742571.446 461.79
   LOCATION L0000495     VOLUME   477144.842 3742571.651 461.50
   LOCATION L0000496     VOLUME   477153.430 3742571.856 461.21
   LOCATION L0000497     VOLUME   477162.018 3742572.060 460.93
   LOCATION L0000498     VOLUME   477170.605 3742572.265 460.64
   LOCATION L0000499     VOLUME   477179.193 3742572.469 460.36
   LOCATION L0000500     VOLUME   477187.780 3742572.674 460.07
   LOCATION L0000501     VOLUME   477196.368 3742572.879 459.81
   LOCATION L0000502     VOLUME   477204.955 3742573.083 459.55
   LOCATION L0000503     VOLUME   477213.543 3742573.288 459.29
   LOCATION L0000504     VOLUME   477222.130 3742573.492 459.01
   LOCATION L0000505     VOLUME   477230.718 3742573.697 458.72
   LOCATION L0000506     VOLUME   477239.306 3742573.902 458.43
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Offsite Placentia
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 2.202E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 477242.388, 3742573.657, 458.16, 3.49, 6.51
** 477760.617, 3742569.276, 449.95, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000507     VOLUME   477249.388 3742573.598 458.10
   LOCATION L0000508     VOLUME   477263.388 3742573.480 458.05
   LOCATION L0000509     VOLUME   477277.387 3742573.361 458.01
   LOCATION L0000510     VOLUME   477291.387 3742573.243 457.62
   LOCATION L0000511     VOLUME   477305.386 3742573.125 457.15
   LOCATION L0000512     VOLUME   477319.386 3742573.006 456.68
   LOCATION L0000513     VOLUME   477333.385 3742572.888 456.22
   LOCATION L0000514     VOLUME   477347.385 3742572.770 456.00
   LOCATION L0000515     VOLUME   477361.384 3742572.651 456.00
   LOCATION L0000516     VOLUME   477375.384 3742572.533 456.00
   LOCATION L0000517     VOLUME   477389.383 3742572.415 456.00
   LOCATION L0000518     VOLUME   477403.383 3742572.296 455.88
   LOCATION L0000519     VOLUME   477417.382 3742572.178 455.42
   LOCATION L0000520     VOLUME   477431.382 3742572.059 454.96
   LOCATION L0000521     VOLUME   477445.381 3742571.941 454.56
   LOCATION L0000522     VOLUME   477459.381 3742571.823 454.16
   LOCATION L0000523     VOLUME   477473.380 3742571.704 454.08
   LOCATION L0000524     VOLUME   477487.380 3742571.586 454.01
   LOCATION L0000525     VOLUME   477501.379 3742571.468 453.68
   LOCATION L0000526     VOLUME   477515.379 3742571.349 453.29
   LOCATION L0000527     VOLUME   477529.378 3742571.231 453.11
   LOCATION L0000528     VOLUME   477543.378 3742571.113 453.04
   LOCATION L0000529     VOLUME   477557.377 3742570.994 452.79
   LOCATION L0000530     VOLUME   477571.377 3742570.876 452.41
   LOCATION L0000531     VOLUME   477585.376 3742570.758 452.15
   LOCATION L0000532     VOLUME   477599.376 3742570.639 452.06
   LOCATION L0000533     VOLUME   477613.375 3742570.521 451.91
   LOCATION L0000534     VOLUME   477627.375 3742570.402 451.53
   LOCATION L0000535     VOLUME   477641.374 3742570.284 451.19
   LOCATION L0000536     VOLUME   477655.374 3742570.166 451.10
   LOCATION L0000537     VOLUME   477669.373 3742570.047 451.00
   LOCATION L0000538     VOLUME   477683.373 3742569.929 451.00
   LOCATION L0000539     VOLUME   477697.372 3742569.811 451.00
   LOCATION L0000540     VOLUME   477711.372 3742569.692 450.62
   LOCATION L0000541     VOLUME   477725.371 3742569.574 450.15
   LOCATION L0000542     VOLUME   477739.371 3742569.456 450.00
```

```
   LOCATION L0000543     VOLUME   477753.370 3742569.337 450.00
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Offsite Water
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.118E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 476977.345, 3742162.371, 471.04, 3.49, 4.00
** 477240.304, 3742165.376, 463.29, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000544     VOLUME   476981.640 3742162.420 470.94
   LOCATION L0000545     VOLUME   476990.229 3742162.518 470.65
   LOCATION L0000546     VOLUME   476998.819 3742162.616 470.37
   LOCATION L0000547     VOLUME   477007.408 3742162.715 470.08
   LOCATION L0000548     VOLUME   477015.998 3742162.813 469.80
   LOCATION L0000549     VOLUME   477024.587 3742162.911 469.51
   LOCATION L0000550     VOLUME   477033.177 3742163.009 469.22
   LOCATION L0000551     VOLUME   477041.766 3742163.107 468.99
   LOCATION L0000552     VOLUME   477050.355 3742163.205 468.92
   LOCATION L0000553     VOLUME   477058.945 3742163.304 468.85
   LOCATION L0000554     VOLUME   477067.534 3742163.402 468.78
   LOCATION L0000555     VOLUME   477076.124 3742163.500 468.55
   LOCATION L0000556     VOLUME   477084.713 3742163.598 468.26
   LOCATION L0000557     VOLUME   477093.303 3742163.696 467.97
   LOCATION L0000558     VOLUME   477101.892 3742163.794 467.68
   LOCATION L0000559     VOLUME   477110.481 3742163.893 467.39
   LOCATION L0000560     VOLUME   477119.071 3742163.991 467.10
   LOCATION L0000561     VOLUME   477127.660 3742164.089 466.81
   LOCATION L0000562     VOLUME   477136.250 3742164.187 466.52
   LOCATION L0000563     VOLUME   477144.839 3742164.285 466.23
   LOCATION L0000564     VOLUME   477153.429 3742164.383 465.94
   LOCATION L0000565     VOLUME   477162.018 3742164.482 465.65
   LOCATION L0000566     VOLUME   477170.608 3742164.580 465.36
   LOCATION L0000567     VOLUME   477179.197 3742164.678 465.07
   LOCATION L0000568     VOLUME   477187.786 3742164.776 464.78
   LOCATION L0000569     VOLUME   477196.376 3742164.874 464.49
   LOCATION L0000570     VOLUME   477204.965 3742164.972 464.20
   LOCATION L0000571     VOLUME   477213.555 3742165.071 463.91
   LOCATION L0000572     VOLUME   477222.144 3742165.169 463.65
   LOCATION L0000573     VOLUME   477230.734 3742165.267 463.44
   LOCATION L0000574     VOLUME   477239.323 3742165.365 463.24
** End of LINE VOLUME Source ID = SLINE5
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC Offsite Harvill
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0000107
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 33
** 477243.952, 3742165.962, 463.20, 3.49, 6.51
** 477246.938, 3742127.691, 463.99, 3.49, 6.51
** 477249.381, 3742108.148, 464.16, 3.49, 6.51
** 477266.209, 3742056.033, 464.63, 3.49, 6.51
** 477300.138, 3741996.318, 463.41, 3.49, 6.51
** 477353.881, 3741946.647, 462.67, 3.49, 6.51
** 477392.153, 3741920.589, 461.12, 3.49, 6.51
```

```
** 477418.482, 3741900.775, 461.06, 3.49, 6.51
** 477449.696, 3741870.917, 460.54, 3.49, 6.51
** 477487.425, 3741817.174, 459.94, 3.49, 6.51
** 477502.625, 3741770.488, 459.73, 3.49, 6.51
** 477507.511, 3741741.445, 460.04, 3.49, 6.51
** 477509.140, 3741689.873, 460.50, 3.49, 6.51
** 477508.325, 3741553.887, 461.36, 3.49, 6.51
** 477507.782, 3741392.385, 462.63, 3.49, 6.51
** 477505.611, 3741173.613, 464.58, 3.49, 6.51
** 477512.668, 3741126.655, 464.08, 3.49, 6.51
** 477523.525, 3741088.112, 463.09, 3.49, 6.51
** 477565.326, 3741015.911, 462.05, 3.49, 6.51
** 477598.712, 3740980.083, 461.39, 3.49, 6.51
** 477633.455, 3740955.111, 460.04, 3.49, 6.51
** 477704.841, 3740911.682, 458.95, 3.49, 6.51
** 477764.556, 3740868.253, 457.96, 3.49, 6.51
** 477787.627, 3740845.182, 457.02, 3.49, 6.51
** 477810.156, 3740811.524, 456.14, 3.49, 6.51
** 477925.514, 3740647.580, 453.58, 3.49, 6.51
** 477975.186, 3740572.937, 452.95, 3.49, 6.51
** 478004.229, 3740535.479, 452.04, 3.49, 6.51
** 478025.943, 3740511.322, 452.02, 3.49, 6.51
** 478065.844, 3740481.193, 451.91, 3.49, 6.51
** 478092.715, 3740464.636, 450.97, 3.49, 6.51
** 478305.788, 3740362.578, 447.90, 3.49, 6.51
** 478528.792, 3740254.143, 445.00, 3.49, 6.51
** ---------------------------------------------------------------------
   LOCATION L0000575     VOLUME   477244.496 3742158.984 463.16
   LOCATION L0000576     VOLUME   477245.585 3742145.026 463.46
   LOCATION L0000577     VOLUME   477246.674 3742131.068 463.85
   LOCATION L0000578     VOLUME   477248.254 3742117.161 464.02
   LOCATION L0000579     VOLUME   477250.891 3742103.469 463.99
   LOCATION L0000580     VOLUME   477255.194 3742090.146 464.16
   LOCATION L0000581     VOLUME   477259.496 3742076.823 464.44
   LOCATION L0000582     VOLUME   477263.798 3742063.501 464.54
   LOCATION L0000583     VOLUME   477269.249 3742050.684 464.35
   LOCATION L0000584     VOLUME   477276.165 3742038.511 464.12
   LOCATION L0000585     VOLUME   477283.081 3742026.339 463.89
   LOCATION L0000586     VOLUME   477289.997 3742014.167 463.66
   LOCATION L0000587     VOLUME   477296.913 3742001.994 463.51
   LOCATION L0000588     VOLUME   477305.625 3741991.247 463.57
   LOCATION L0000589     VOLUME   477315.907 3741981.744 463.65
   LOCATION L0000590     VOLUME   477326.188 3741972.242 463.46
   LOCATION L0000591     VOLUME   477336.469 3741962.740 463.11
   LOCATION L0000592     VOLUME   477346.750 3741953.237 462.77
   LOCATION L0000593     VOLUME   477357.427 3741944.232 462.41
   LOCATION L0000594     VOLUME   477369.000 3741936.353 462.03
   LOCATION L0000595     VOLUME   477380.572 3741928.474 461.64
   LOCATION L0000596     VOLUME   477392.144 3741920.595 461.26
   LOCATION L0000597     VOLUME   477403.331 3741912.177 461.00
   LOCATION L0000598     VOLUME   477414.517 3741903.759 461.00
   LOCATION L0000599     VOLUME   477425.013 3741894.528 461.00
   LOCATION L0000600     VOLUME   477435.130 3741884.850 460.82
   LOCATION L0000601     VOLUME   477445.247 3741875.173 460.49
   LOCATION L0000602     VOLUME   477454.203 3741864.498 460.19
   LOCATION L0000603     VOLUME   477462.247 3741853.040 460.00
   LOCATION L0000604     VOLUME   477470.291 3741841.582 460.00
   LOCATION L0000605     VOLUME   477478.335 3741830.123 460.00
   LOCATION L0000606     VOLUME   477486.379 3741818.665 460.00
   LOCATION L0000607     VOLUME   477491.195 3741805.594 459.96
   LOCATION L0000608     VOLUME   477495.530 3741792.282 459.81
   LOCATION L0000609     VOLUME   477499.864 3741778.969 459.67
   LOCATION L0000610     VOLUME   477503.468 3741765.478 459.56
   LOCATION L0000611     VOLUME   477505.791 3741751.672 459.73
   LOCATION L0000612     VOLUME   477507.626 3741737.818 459.97
   LOCATION L0000613     VOLUME   477508.067 3741723.825 460.00
```

LOCATION L0000614 VOLUME 477508.509 3741709.832 460.00
LOCATION L0000615 VOLUME 477508.951 3741695.838 460.13
LOCATION L0000616 VOLUME 477509.091 3741681.842 460.29
LOCATION L0000617 VOLUME 477509.008 3741667.842 460.36
LOCATION L0000618 VOLUME 477508.924 3741653.842 460.37
LOCATION L0000619 VOLUME 477508.840 3741639.842 460.37
LOCATION L0000620 VOLUME 477508.756 3741625.843 460.37
LOCATION L0000621 VOLUME 477508.672 3741611.843 460.46
LOCATION L0000622 VOLUME 477508.588 3741597.843 460.76
LOCATION L0000623 VOLUME 477508.505 3741583.843 461.03
LOCATION L0000624 VOLUME 477508.421 3741569.844 461.21
LOCATION L0000625 VOLUME 477508.337 3741555.844 461.38
LOCATION L0000626 VOLUME 477508.285 3741541.844 461.39
LOCATION L0000627 VOLUME 477508.238 3741527.844 461.39
LOCATION L0000628 VOLUME 477508.191 3741513.844 461.39
LOCATION L0000629 VOLUME 477508.144 3741499.844 461.39
LOCATION L0000630 VOLUME 477508.097 3741485.844 461.60
LOCATION L0000631 VOLUME 477508.049 3741471.844 461.88
LOCATION L0000632 VOLUME 477508.002 3741457.844 462.00
LOCATION L0000633 VOLUME 477507.955 3741443.845 462.00
LOCATION L0000634 VOLUME 477507.908 3741429.845 462.08
LOCATION L0000635 VOLUME 477507.861 3741415.845 462.27
LOCATION L0000636 VOLUME 477507.814 3741401.845 462.40
LOCATION L0000637 VOLUME 477507.737 3741387.845 462.40
LOCATION L0000638 VOLUME 477507.598 3741373.846 462.41
LOCATION L0000639 VOLUME 477507.459 3741359.846 462.41
LOCATION L0000640 VOLUME 477507.320 3741345.847 462.42
LOCATION L0000641 VOLUME 477507.182 3741331.848 462.42
LOCATION L0000642 VOLUME 477507.043 3741317.848 462.43
LOCATION L0000643 VOLUME 477506.904 3741303.849 462.84
LOCATION L0000644 VOLUME 477506.765 3741289.850 463.31
LOCATION L0000645 VOLUME 477506.626 3741275.851 463.44
LOCATION L0000646 VOLUME 477506.487 3741261.851 463.45
LOCATION L0000647 VOLUME 477506.348 3741247.852 463.45
LOCATION L0000648 VOLUME 477506.209 3741233.853 463.46
LOCATION L0000649 VOLUME 477506.070 3741219.853 463.67
LOCATION L0000650 VOLUME 477505.931 3741205.854 464.14
LOCATION L0000651 VOLUME 477505.792 3741191.855 464.47
LOCATION L0000652 VOLUME 477505.653 3741177.855 464.47
LOCATION L0000653 VOLUME 477507.061 3741163.964 464.43
LOCATION L0000654 VOLUME 477509.142 3741150.119 464.36
LOCATION L0000655 VOLUME 477511.222 3741136.275 464.29
LOCATION L0000656 VOLUME 477513.826 3741122.543 464.20
LOCATION L0000657 VOLUME 477517.622 3741109.067 464.08
LOCATION L0000658 VOLUME 477521.418 3741095.592 463.62
LOCATION L0000659 VOLUME 477526.646 3741082.721 463.17
LOCATION L0000660 VOLUME 477533.661 3741070.605 462.92
LOCATION L0000661 VOLUME 477540.675 3741058.489 462.59
LOCATION L0000662 VOLUME 477547.690 3741046.373 462.08
LOCATION L0000663 VOLUME 477554.704 3741034.257 462.00
LOCATION L0000664 VOLUME 477561.719 3741022.141 462.00
LOCATION L0000665 VOLUME 477569.962 3741010.936 462.00
LOCATION L0000666 VOLUME 477579.506 3741000.693 462.00
LOCATION L0000667 VOLUME 477589.051 3740990.450 461.69
LOCATION L0000668 VOLUME 477598.595 3740980.208 461.38
LOCATION L0000669 VOLUME 477609.941 3740972.012 461.00
LOCATION L0000670 VOLUME 477621.309 3740963.841 460.62
LOCATION L0000671 VOLUME 477632.677 3740955.670 460.24
LOCATION L0000672 VOLUME 477644.597 3740948.332 459.88
LOCATION L0000673 VOLUME 477656.558 3740941.056 459.72
LOCATION L0000674 VOLUME 477668.518 3740933.780 459.76
LOCATION L0000675 VOLUME 477680.479 3740926.503 459.63
LOCATION L0000676 VOLUME 477692.439 3740919.227 459.25
LOCATION L0000677 VOLUME 477704.400 3740911.950 458.85
LOCATION L0000678 VOLUME 477715.746 3740903.751 458.47
LOCATION L0000679 VOLUME 477727.068 3740895.517 458.09

LOCATION L0000680 VOLUME 477738.390 3740887.283 458.00
LOCATION L0000681 VOLUME 477749.713 3740879.048 458.00
LOCATION L0000682 VOLUME 477761.035 3740870.814 457.96
LOCATION L0000683 VOLUME 477771.377 3740861.432 457.62
LOCATION L0000684 VOLUME 477781.276 3740851.533 457.29
LOCATION L0000685 VOLUME 477790.419 3740841.011 456.98
LOCATION L0000686 VOLUME 477798.206 3740829.377 456.72
LOCATION L0000687 VOLUME 477805.994 3740817.743 456.46
LOCATION L0000688 VOLUME 477813.906 3740806.194 456.20
LOCATION L0000689 VOLUME 477821.963 3740794.745 455.93
LOCATION L0000690 VOLUME 477830.019 3740783.295 455.66
LOCATION L0000691 VOLUME 477838.076 3740771.846 455.39
LOCATION L0000692 VOLUME 477846.132 3740760.396 455.13
LOCATION L0000693 VOLUME 477854.188 3740748.946 454.86
LOCATION L0000694 VOLUME 477862.245 3740737.497 454.59
LOCATION L0000695 VOLUME 477870.301 3740726.047 454.32
LOCATION L0000696 VOLUME 477878.358 3740714.598 454.05
LOCATION L0000697 VOLUME 477886.414 3740703.148 453.88
LOCATION L0000698 VOLUME 477894.471 3740691.698 453.91
LOCATION L0000699 VOLUME 477902.527 3740680.249 454.00
LOCATION L0000700 VOLUME 477910.583 3740668.799 453.98
LOCATION L0000701 VOLUME 477918.640 3740657.349 453.71
LOCATION L0000702 VOLUME 477926.652 3740645.870 453.44
LOCATION L0000703 VOLUME 477934.408 3740634.214 453.18
LOCATION L0000704 VOLUME 477942.164 3740622.559 452.92
LOCATION L0000705 VOLUME 477949.920 3740610.904 452.67
LOCATION L0000706 VOLUME 477957.676 3740599.249 452.41
LOCATION L0000707 VOLUME 477965.432 3740587.594 452.43
LOCATION L0000708 VOLUME 477973.188 3740575.938 452.60
LOCATION L0000709 VOLUME 477981.555 3740564.722 452.61
LOCATION L0000710 VOLUME 477990.134 3740553.658 452.33
LOCATION L0000711 VOLUME 477998.712 3740542.594 452.04
LOCATION L0000712 VOLUME 478007.569 3740531.763 452.11
LOCATION L0000713 VOLUME 478016.928 3740521.351 452.21
LOCATION L0000714 VOLUME 478026.354 3740511.012 452.10
LOCATION L0000715 VOLUME 478037.526 3740502.576 451.78
LOCATION L0000716 VOLUME 478048.699 3740494.139 451.62
LOCATION L0000717 VOLUME 478059.872 3740485.703 451.68
LOCATION L0000718 VOLUME 478071.392 3740477.775 451.58
LOCATION L0000719 VOLUME 478083.311 3740470.431 451.22
LOCATION L0000720 VOLUME 478095.379 3740463.360 450.90
LOCATION L0000721 VOLUME 478108.005 3740457.312 450.77
LOCATION L0000722 VOLUME 478120.632 3740451.264 450.81
LOCATION L0000723 VOLUME 478133.258 3740445.217 450.55
LOCATION L0000724 VOLUME 478145.884 3740439.169 450.13
LOCATION L0000725 VOLUME 478158.511 3740433.121 450.00
LOCATION L0000726 VOLUME 478171.137 3740427.073 450.00
LOCATION L0000727 VOLUME 478183.763 3740421.026 449.87
LOCATION L0000728 VOLUME 478196.390 3740414.978 449.45
LOCATION L0000729 VOLUME 478209.016 3740408.930 449.03
LOCATION L0000730 VOLUME 478221.642 3740402.882 448.78
LOCATION L0000731 VOLUME 478234.269 3740396.835 448.71
LOCATION L0000732 VOLUME 478246.895 3740390.787 448.65
LOCATION L0000733 VOLUME 478259.522 3740384.739 448.35
LOCATION L0000734 VOLUME 478272.148 3740378.691 448.00
LOCATION L0000735 VOLUME 478284.774 3740372.643 448.00
LOCATION L0000736 VOLUME 478297.401 3740366.596 448.00
LOCATION L0000737 VOLUME 478310.015 3740360.523 447.66
LOCATION L0000738 VOLUME 478322.605 3740354.401 447.24
LOCATION L0000739 VOLUME 478335.196 3740348.279 447.00
LOCATION L0000740 VOLUME 478347.786 3740342.157 447.00
LOCATION L0000741 VOLUME 478360.377 3740336.034 446.98
LOCATION L0000742 VOLUME 478372.967 3740329.912 446.56
LOCATION L0000743 VOLUME 478385.558 3740323.790 446.15
LOCATION L0000744 VOLUME 478398.148 3740317.668 446.00
LOCATION L0000745 VOLUME 478410.739 3740311.546 446.00

```
   LOCATION L0000746     VOLUME   478423.329 3740305.424 445.96
   LOCATION L0000747     VOLUME   478435.919 3740299.302 445.94
   LOCATION L0000748     VOLUME   478448.510 3740293.180 446.00
   LOCATION L0000749     VOLUME   478461.100 3740287.058 445.63
   LOCATION L0000750     VOLUME   478473.691 3740280.936 445.21
   LOCATION L0000751     VOLUME   478486.281 3740274.813 445.00
   LOCATION L0000752     VOLUME   478498.872 3740268.691 445.00
   LOCATION L0000753     VOLUME   478511.462 3740262.569 445.00
   LOCATION L0000754     VOLUME   478524.053 3740256.447 445.00
** End of LINE VOLUME Source ID = SLINE6
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000378     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000379     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000380     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000381     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000382     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000383     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000384     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000385     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000386     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000387     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000388     0.000001284      3.49      4.00      3.25
   SRCPARAM L0000389     0.000001284      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000390     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000391     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000392     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000393     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000394     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000395     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000396     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000397     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000398     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000399     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000400     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000401     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000402     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000403     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000404     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000405     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000406     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000407     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000408     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000409     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000410     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000411     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000412     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000413     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000414     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000415     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000416     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000417     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000418     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000419     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000420     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000421     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000422     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000423     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000424     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000425     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000426     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000427     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000428     0.000000174      3.49      4.00      3.25
   SRCPARAM L0000429     0.000000174      3.49      4.00      3.25
```

```
   SRCPARAM L0000430     0.000000174      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000431     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000432     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000433     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000434     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000435     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000436     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000437     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000438     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000439     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000440     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000441     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000442     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000443     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000444     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000445     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000446     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000447     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000448     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000449     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000450     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000451     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000452     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000453     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000454     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000455     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000456     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000457     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000458     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000459     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000460     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000461     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000462     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000463     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000464     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000465     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000466     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000467     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000468     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000469     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000470     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000471     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000472     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000473     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000474     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000475     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000476     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000477     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000478     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000479     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000480     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000481     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000482     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000483     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000484     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000485     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000486     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000487     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000488     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000489     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000490     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000491     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000492     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000493     0.00000003642      3.49      4.00      3.25
```

```
   SRCPARAM L0000494     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000495     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000496     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000497     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000498     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000499     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000500     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000501     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000502     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000503     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000504     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000505     0.00000003642      3.49      4.00      3.25
   SRCPARAM L0000506     0.00000003642      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000507     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000508     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000509     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000510     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000511     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000512     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000513     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000514     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000515     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000516     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000517     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000518     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000519     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000520     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000521     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000522     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000523     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000524     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000525     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000526     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000527     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000528     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000529     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000530     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000531     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000532     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000533     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000534     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000535     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000536     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000537     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000538     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000539     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000540     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000541     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000542     0.00000005951      3.49      6.51      3.25
   SRCPARAM L0000543     0.00000005951      3.49      6.51      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0000544     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000545     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000546     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000547     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000548     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000549     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000550     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000551     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000552     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000553     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000554     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000555     0.00000003606      3.49      4.00      3.25
```

```
   SRCPARAM L0000556     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000557     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000558     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000559     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000560     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000561     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000562     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000563     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000564     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000565     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000566     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000567     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000568     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000569     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000570     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000571     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000572     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000573     0.00000003606      3.49      4.00      3.25
   SRCPARAM L0000574     0.00000003606      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0000575     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000576     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000577     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000578     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000579     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000580     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000581     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000582     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000583     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000584     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000585     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000586     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000587     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000588     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000589     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000590     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000591     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000592     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000593     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000594     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000595     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000596     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000597     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000598     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000599     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000600     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000601     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000602     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000603     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000604     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000605     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000606     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000607     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000608     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000609     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000610     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000611     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000612     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000613     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000614     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000615     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000616     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000617     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000618     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000619     0.00000005944      3.49      6.51      3.25
```

```
SRCPARAM L0000620     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000621     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000622     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000623     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000624     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000625     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000626     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000627     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000628     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000629     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000630     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000631     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000632     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000633     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000634     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000635     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000636     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000637     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000638     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000639     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000640     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000641     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000642     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000643     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000644     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000645     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000646     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000647     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000648     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000649     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000650     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000651     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000652     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000653     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000654     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000655     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000656     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000657     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000658     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000659     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000660     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000661     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000662     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000663     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000664     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000665     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000666     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000667     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000668     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000669     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000670     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000671     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000672     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000673     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000674     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000675     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000676     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000677     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000678     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000679     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000680     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000681     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000682     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000683     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000684     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000685     0.00000005944      3.49      6.51      3.25
```

```
SRCPARAM L0000686     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000687     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000688     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000689     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000690     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000691     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000692     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000693     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000694     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000695     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000696     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000697     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000698     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000699     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000700     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000701     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000702     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000703     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000704     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000705     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000706     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000707     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000708     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000709     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000710     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000711     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000712     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000713     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000714     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000715     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000716     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000717     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000718     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000719     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000720     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000721     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000722     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000723     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000724     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000725     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000726     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000727     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000728     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000729     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000730     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000731     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000732     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000733     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000734     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000735     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000736     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000737     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000738     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000739     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000740     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000741     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000742     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000743     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000744     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000745     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000746     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000747     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000748     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000749     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000750     0.00000005944      3.49      6.51      3.25
SRCPARAM L0000751     0.00000005944      3.49      6.51      3.25
```

```
   SRCPARAM L0000752     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000753     0.00000005944      3.49      6.51      3.25
   SRCPARAM L0000754     0.00000005944      3.49      6.51      3.25
** ----------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "14421 Ops.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "14421 Ops.AD\AN00GALL.PLT" 31
   SUMMFILE "14421 Ops.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186     954       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     954       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/13/22
```

```
*** AERMET - VERSION  16216 ***
***                                                                      ***        12:14:42

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

                                          ***     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 URBAN Dispersion Algorithm for the SBL for   377 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2189641.0 ;  Urban Roughness Length =  1.000 m

**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.
        6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes:    377 Source(s);       1 Source Group(s); and      38 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    377 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

**The AERMET Input Meteorological Data Version Date:  16216

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

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

**Detailed Error/Message File: 14421
Ops.err
**File for Summary of Results: 14421
Ops.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0000378	0	0.12840E-05	476958.5	3742316.1	469.4	3.49	4.00	3.25
YES								
L0000379	0	0.12840E-05	476958.5	3742307.6	469.7	3.49	4.00	3.25
YES								
L0000380	0	0.12840E-05	476958.5	3742299.0	469.9	3.49	4.00	3.25
YES								
L0000381	0	0.12840E-05	476958.4	3742290.4	470.2	3.49	4.00	3.25
YES								
L0000382	0	0.12840E-05	476958.4	3742281.8	470.5	3.49	4.00	3.25
YES								
L0000383	0	0.12840E-05	476958.4	3742273.2	470.7	3.49	4.00	3.25
YES								
L0000384	0	0.12840E-05	476958.3	3742264.6	470.7	3.49	4.00	3.25
YES								
L0000385	0	0.12840E-05	476958.3	3742256.0	470.7	3.49	4.00	3.25
YES								
L0000386	0	0.12840E-05	476958.3	3742247.4	470.7	3.49	4.00	3.25
YES								
L0000387	0	0.12840E-05	476958.2	3742238.8	470.9	3.49	4.00	3.25
YES								
L0000388	0	0.12840E-05	476958.2	3742230.2	471.1	3.49	4.00	3.25
YES								
L0000389	0	0.12840E-05	476958.2	3742221.7	471.3	3.49	4.00	3.25
YES								
L0000390	0	0.17400E-06	476826.3	3742343.4	477.0	3.49	4.00	3.25
YES								
L0000391	0	0.17400E-06	476834.7	3742344.4	476.4	3.49	4.00	3.25
YES								

L0000392	0	0.17400E-06	476842.8	3742347.5	475.8	3.49	4.00	3.25
YES								
L0000393	0	0.17400E-06	476850.9	3742350.2	475.1	3.49	4.00	3.25
YES								
L0000394	0	0.17400E-06	476859.3	3742351.9	474.5	3.49	4.00	3.25
YES								
L0000395	0	0.17400E-06	476867.7	3742353.7	473.9	3.49	4.00	3.25
YES								
L0000396	0	0.17400E-06	476876.3	3742353.9	473.3	3.49	4.00	3.25
YES								
L0000397	0	0.17400E-06	476884.9	3742354.0	472.7	3.49	4.00	3.25
YES								
L0000398	0	0.17400E-06	476893.5	3742354.0	472.2	3.49	4.00	3.25
YES								
L0000399	0	0.17400E-06	476902.1	3742354.1	471.8	3.49	4.00	3.25
YES								
L0000400	0	0.17400E-06	476910.6	3742354.2	471.4	3.49	4.00	3.25
YES								
L0000401	0	0.17400E-06	476919.2	3742354.2	471.0	3.49	4.00	3.25
YES								
L0000402	0	0.17400E-06	476927.8	3742354.3	470.5	3.49	4.00	3.25
YES								
L0000403	0	0.17400E-06	476936.4	3742354.4	469.9	3.49	4.00	3.25
YES								
L0000404	0	0.17400E-06	476945.0	3742354.5	469.3	3.49	4.00	3.25
YES								
L0000405	0	0.17400E-06	476953.6	3742354.5	468.9	3.49	4.00	3.25
YES								
L0000406	0	0.17400E-06	476962.2	3742354.6	468.6	3.49	4.00	3.25
YES								
L0000407	0	0.17400E-06	476970.8	3742354.7	468.3	3.49	4.00	3.25
YES								
L0000408	0	0.17400E-06	476979.4	3742354.8	468.0	3.49	4.00	3.25
YES								
L0000409	0	0.17400E-06	476979.6	3742346.5	468.0	3.49	4.00	3.25
YES								
L0000410	0	0.17400E-06	476979.6	3742337.9	468.0	3.49	4.00	3.25
YES								
L0000411	0	0.17400E-06	476979.5	3742329.3	468.2	3.49	4.00	3.25
YES								
L0000412	0	0.17400E-06	476979.4	3742320.7	468.5	3.49	4.00	3.25
YES								
L0000413	0	0.17400E-06	476979.4	3742312.1	468.8	3.49	4.00	3.25
YES								
L0000414	0	0.17400E-06	476979.3	3742303.6	469.1	3.49	4.00	3.25
YES								
L0000415	0	0.17400E-06	476979.2	3742295.0	469.4	3.49	4.00	3.25
YES								
L0000416	0	0.17400E-06	476979.1	3742286.4	469.7	3.49	4.00	3.25
YES								
L0000417	0	0.17400E-06	476979.1	3742277.8	470.0	3.49	4.00	3.25
YES								

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ

SOURCE ID	SCALAR VARY CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS) BY
L0000418	0	0.17400E-06	476979.0	3742269.2	470.0	3.49	4.00	3.25 YES
L0000419	0	0.17400E-06	476978.9	3742260.6	470.0	3.49	4.00	3.25 YES
L0000420	0	0.17400E-06	476978.9	3742252.0	470.0	3.49	4.00	3.25 YES
L0000421	0	0.17400E-06	476978.8	3742243.4	470.0	3.49	4.00	3.25 YES
L0000422	0	0.17400E-06	476978.7	3742234.8	470.1	3.49	4.00	3.25 YES
L0000423	0	0.17400E-06	476978.7	3742226.2	470.1	3.49	4.00	3.25 YES
L0000424	0	0.17400E-06	476978.6	3742217.7	470.1	3.49	4.00	3.25 YES
L0000425	0	0.17400E-06	476978.5	3742209.1	470.3	3.49	4.00	3.25 YES
L0000426	0	0.17400E-06	476978.5	3742200.5	470.6	3.49	4.00	3.25 YES
L0000427	0	0.17400E-06	476978.4	3742191.9	470.9	3.49	4.00	3.25 YES
L0000428	0	0.17400E-06	476978.3	3742183.3	471.1	3.49	4.00	3.25 YES
L0000429	0	0.17400E-06	476978.2	3742174.7	471.1	3.49	4.00	3.25 YES
L0000430	0	0.17400E-06	476978.2	3742166.1	471.1	3.49	4.00	3.25 YES
L0000431	0	0.36420E-07	476817.5	3742346.9	477.5	3.49	4.00	3.25 YES
L0000432	0	0.36420E-07	476817.3	3742355.5	477.2	3.49	4.00	3.25 YES
L0000433	0	0.36420E-07	476817.1	3742364.1	476.9	3.49	4.00	3.25 YES
L0000434	0	0.36420E-07	476816.9	3742372.7	476.9	3.49	4.00	3.25 YES
L0000435	0	0.36420E-07	476816.6	3742381.3	476.9	3.49	4.00	3.25 YES
L0000436	0	0.36420E-07	476816.4	3742389.9	476.9	3.49	4.00	3.25 YES
L0000437	0	0.36420E-07	476816.2	3742398.5	476.9	3.49	4.00	3.25 YES
L0000438	0	0.36420E-07	476816.0	3742407.0	476.9	3.49	4.00	3.25 YES
L0000439	0	0.36420E-07	476815.8	3742415.6	476.9	3.49	4.00	3.25 YES
L0000440	0	0.36420E-07	476815.6	3742424.2	476.9	3.49	4.00	3.25 YES
L0000441	0	0.36420E-07	476815.3	3742432.8	476.9	3.49	4.00	3.25 YES
L0000442	0	0.36420E-07	476815.1	3742441.4	476.7	3.49	4.00	3.25 YES
L0000443	0	0.36420E-07	476814.9	3742450.0	476.6	3.49	4.00	3.25 YES
L0000444	0	0.36420E-07	476814.7	3742458.6	476.4	3.49	4.00	3.25 YES
L0000445	0	0.36420E-07	476814.5	3742467.2	476.2	3.49	4.00	3.25 YES
L0000446	0	0.36420E-07	476814.3	3742475.7	475.9	3.49	4.00	3.25 YES
L0000447	0	0.36420E-07	476814.0	3742484.3	475.6	3.49	4.00	3.25 YES

L0000448	0	0.36420E-07	476813.8	3742492.9	475.3	3.49	4.00	3.25	YES
L0000449	0	0.36420E-07	476813.6	3742501.5	475.0	3.49	4.00	3.25	YES
L0000450	0	0.36420E-07	476813.4	3742510.1	474.8	3.49	4.00	3.25	YES
L0000451	0	0.36420E-07	476813.2	3742518.7	474.5	3.49	4.00	3.25	YES
L0000452	0	0.36420E-07	476813.0	3742527.3	474.4	3.49	4.00	3.25	YES
L0000453	0	0.36420E-07	476812.7	3742535.9	474.3	3.49	4.00	3.25	YES
L0000454	0	0.36420E-07	476812.5	3742544.4	474.2	3.49	4.00	3.25	YES
L0000455	0	0.36420E-07	476812.3	3742553.0	473.9	3.49	4.00	3.25	YES
L0000456	0	0.36420E-07	476812.1	3742561.6	473.7	3.49	4.00	3.25	YES
L0000457	0	0.36420E-07	476818.5	3742563.9	473.2	3.49	4.00	3.25	YES

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty Oil\14421 Ops\144 *** 05/13/22

*** AERMET - VERSION 16216 ***

*** *** 12:14:42

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0000458	0	0.36420E-07	476827.1	3742564.1	472.6	3.49	4.00	3.25	YES
L0000459	0	0.36420E-07	476835.7	3742564.3	472.2	3.49	4.00	3.25	YES
L0000460	0	0.36420E-07	476844.3	3742564.5	471.9	3.49	4.00	3.25	YES
L0000461	0	0.36420E-07	476852.9	3742564.7	471.6	3.49	4.00	3.25	YES
L0000462	0	0.36420E-07	476861.5	3742564.9	471.3	3.49	4.00	3.25	YES
L0000463	0	0.36420E-07	476870.0	3742565.1	471.0	3.49	4.00	3.25	YES
L0000464	0	0.36420E-07	476878.6	3742565.3	470.7	3.49	4.00	3.25	YES
L0000465	0	0.36420E-07	476887.2	3742565.5	470.4	3.49	4.00	3.25	YES
L0000466	0	0.36420E-07	476895.8	3742565.7	470.1	3.49	4.00	3.25	YES
L0000467	0	0.36420E-07	476904.4	3742565.9	469.7	3.49	4.00	3.25	YES
L0000468	0	0.36420E-07	476913.0	3742566.1	469.3	3.49	4.00	3.25	YES
L0000469	0	0.36420E-07	476921.6	3742566.3	468.9	3.49	4.00	3.25	YES
L0000470	0	0.36420E-07	476930.2	3742566.5	468.7	3.49	4.00	3.25	YES

L0000471	0	0.36420E-07	476938.7	3742566.7	468.4	3.49	4.00	3.25
YES								
L0000472	0	0.36420E-07	476947.3	3742566.9	468.1	3.49	4.00	3.25
YES								
L0000473	0	0.36420E-07	476955.9	3742567.1	467.8	3.49	4.00	3.25
YES								
L0000474	0	0.36420E-07	476964.5	3742567.4	467.5	3.49	4.00	3.25
YES								
L0000475	0	0.36420E-07	476973.1	3742567.6	467.2	3.49	4.00	3.25
YES								
L0000476	0	0.36420E-07	476981.7	3742567.8	466.9	3.49	4.00	3.25
YES								
L0000477	0	0.36420E-07	476990.3	3742568.0	466.7	3.49	4.00	3.25
YES								
L0000478	0	0.36420E-07	476998.9	3742568.2	466.4	3.49	4.00	3.25
YES								
L0000479	0	0.36420E-07	477007.4	3742568.4	466.1	3.49	4.00	3.25
YES								
L0000480	0	0.36420E-07	477016.0	3742568.6	465.6	3.49	4.00	3.25
YES								
L0000481	0	0.36420E-07	477024.6	3742568.8	465.1	3.49	4.00	3.25
YES								
L0000482	0	0.36420E-07	477033.2	3742569.0	464.6	3.49	4.00	3.25
YES								
L0000483	0	0.36420E-07	477041.8	3742569.2	464.2	3.49	4.00	3.25
YES								
L0000484	0	0.36420E-07	477050.4	3742569.4	463.9	3.49	4.00	3.25
YES								
L0000485	0	0.36420E-07	477059.0	3742569.6	463.6	3.49	4.00	3.25
YES								
L0000486	0	0.36420E-07	477067.6	3742569.8	463.3	3.49	4.00	3.25
YES								
L0000487	0	0.36420E-07	477076.1	3742570.0	463.2	3.49	4.00	3.25
YES								
L0000488	0	0.36420E-07	477084.7	3742570.2	463.1	3.49	4.00	3.25
YES								
L0000489	0	0.36420E-07	477093.3	3742570.4	463.0	3.49	4.00	3.25
YES								
L0000490	0	0.36420E-07	477101.9	3742570.6	462.9	3.49	4.00	3.25
YES								
L0000491	0	0.36420E-07	477110.5	3742570.8	462.7	3.49	4.00	3.25
YES								
L0000492	0	0.36420E-07	477119.1	3742571.0	462.4	3.49	4.00	3.25
YES								
L0000493	0	0.36420E-07	477127.7	3742571.2	462.1	3.49	4.00	3.25
YES								
L0000494	0	0.36420E-07	477136.3	3742571.4	461.8	3.49	4.00	3.25
YES								
L0000495	0	0.36420E-07	477144.8	3742571.7	461.5	3.49	4.00	3.25
YES								
L0000496	0	0.36420E-07	477153.4	3742571.9	461.2	3.49	4.00	3.25
YES								
L0000497	0	0.36420E-07	477162.0	3742572.1	460.9	3.49	4.00	3.25
YES								

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT.

SOURCE ID	URBAN SOURCE	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SCALAR VARY BY
L0000498	0	0.36420E-07	477170.6	3742572.3	460.6	3.49	4.00	3.25	YES
L0000499	0	0.36420E-07	477179.2	3742572.5	460.4	3.49	4.00	3.25	YES
L0000500	0	0.36420E-07	477187.8	3742572.7	460.1	3.49	4.00	3.25	YES
L0000501	0	0.36420E-07	477196.4	3742572.9	459.8	3.49	4.00	3.25	YES
L0000502	0	0.36420E-07	477205.0	3742573.1	459.6	3.49	4.00	3.25	YES
L0000503	0	0.36420E-07	477213.5	3742573.3	459.3	3.49	4.00	3.25	YES
L0000504	0	0.36420E-07	477222.1	3742573.5	459.0	3.49	4.00	3.25	YES
L0000505	0	0.36420E-07	477230.7	3742573.7	458.7	3.49	4.00	3.25	YES
L0000506	0	0.36420E-07	477239.3	3742573.9	458.4	3.49	4.00	3.25	YES
L0000507	0	0.59510E-07	477249.4	3742573.6	458.1	3.49	6.51	3.25	YES
L0000508	0	0.59510E-07	477263.4	3742573.5	458.1	3.49	6.51	3.25	YES
L0000509	0	0.59510E-07	477277.4	3742573.4	458.0	3.49	6.51	3.25	YES
L0000510	0	0.59510E-07	477291.4	3742573.2	457.6	3.49	6.51	3.25	YES
L0000511	0	0.59510E-07	477305.4	3742573.1	457.2	3.49	6.51	3.25	YES
L0000512	0	0.59510E-07	477319.4	3742573.0	456.7	3.49	6.51	3.25	YES
L0000513	0	0.59510E-07	477333.4	3742572.9	456.2	3.49	6.51	3.25	YES
L0000514	0	0.59510E-07	477347.4	3742572.8	456.0	3.49	6.51	3.25	YES
L0000515	0	0.59510E-07	477361.4	3742572.7	456.0	3.49	6.51	3.25	YES
L0000516	0	0.59510E-07	477375.4	3742572.5	456.0	3.49	6.51	3.25	YES
L0000517	0	0.59510E-07	477389.4	3742572.4	456.0	3.49	6.51	3.25	YES
L0000518	0	0.59510E-07	477403.4	3742572.3	455.9	3.49	6.51	3.25	YES
L0000519	0	0.59510E-07	477417.4	3742572.2	455.4	3.49	6.51	3.25	YES
L0000520	0	0.59510E-07	477431.4	3742572.1	455.0	3.49	6.51	3.25	YES
L0000521	0	0.59510E-07	477445.4	3742571.9	454.6	3.49	6.51	3.25	YES
L0000522	0	0.59510E-07	477459.4	3742571.8	454.2	3.49	6.51	3.25	YES
L0000523	0	0.59510E-07	477473.4	3742571.7	454.1	3.49	6.51	3.25	YES
L0000524	0	0.59510E-07	477487.4	3742571.6	454.0	3.49	6.51	3.25	YES
L0000525	0	0.59510E-07	477501.4	3742571.5	453.7	3.49	6.51	3.25	YES
L0000526	0	0.59510E-07	477515.4	3742571.3	453.3	3.49	6.51	3.25	YES

L0000527 0 0.59510E-07 477529.4 3742571.2 453.1 3.49 6.51 3.25
YES
L0000528 0 0.59510E-07 477543.4 3742571.1 453.0 3.49 6.51 3.25
YES
L0000529 0 0.59510E-07 477557.4 3742571.0 452.8 3.49 6.51 3.25
YES
L0000530 0 0.59510E-07 477571.4 3742570.9 452.4 3.49 6.51 3.25
YES
L0000531 0 0.59510E-07 477585.4 3742570.8 452.2 3.49 6.51 3.25
YES
L0000532 0 0.59510E-07 477599.4 3742570.6 452.1 3.49 6.51 3.25
YES
L0000533 0 0.59510E-07 477613.4 3742570.5 451.9 3.49 6.51 3.25
YES
L0000534 0 0.59510E-07 477627.4 3742570.4 451.5 3.49 6.51 3.25
YES
L0000535 0 0.59510E-07 477641.4 3742570.3 451.2 3.49 6.51 3.25
YES
L0000536 0 0.59510E-07 477655.4 3742570.2 451.1 3.49 6.51 3.25
YES
L0000537 0 0.59510E-07 477669.4 3742570.0 451.0 3.49 6.51 3.25
YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0000538	0	0.59510E-07	477683.4	3742569.9	451.0	3.49	6.51	3.25	YES
L0000539	0	0.59510E-07	477697.4	3742569.8	451.0	3.49	6.51	3.25	YES
L0000540	0	0.59510E-07	477711.4	3742569.7	450.6	3.49	6.51	3.25	YES
L0000541	0	0.59510E-07	477725.4	3742569.6	450.2	3.49	6.51	3.25	YES
L0000542	0	0.59510E-07	477739.4	3742569.5	450.0	3.49	6.51	3.25	YES
L0000543	0	0.59510E-07	477753.4	3742569.3	450.0	3.49	6.51	3.25	YES
L0000544	0	0.36060E-07	476981.6	3742162.4	470.9	3.49	4.00	3.25	YES
L0000545	0	0.36060E-07	476990.2	3742162.5	470.7	3.49	4.00	3.25	YES
L0000546	0	0.36060E-07	476998.8	3742162.6	470.4	3.49	4.00	3.25	YES
L0000547	0	0.36060E-07	477007.4	3742162.7	470.1	3.49	4.00	3.25	YES
L0000548	0	0.36060E-07	477016.0	3742162.8	469.8	3.49	4.00	3.25	YES
L0000549	0	0.36060E-07	477024.6	3742162.9	469.5	3.49	4.00	3.25	YES

L0000550	0	0.36060E-07	477033.2	3742163.0	469.2	3.49	4.00	3.25
YES								
L0000551	0	0.36060E-07	477041.8	3742163.1	469.0	3.49	4.00	3.25
YES								
L0000552	0	0.36060E-07	477050.4	3742163.2	468.9	3.49	4.00	3.25
YES								
L0000553	0	0.36060E-07	477058.9	3742163.3	468.9	3.49	4.00	3.25
YES								
L0000554	0	0.36060E-07	477067.5	3742163.4	468.8	3.49	4.00	3.25
YES								
L0000555	0	0.36060E-07	477076.1	3742163.5	468.6	3.49	4.00	3.25
YES								
L0000556	0	0.36060E-07	477084.7	3742163.6	468.3	3.49	4.00	3.25
YES								
L0000557	0	0.36060E-07	477093.3	3742163.7	468.0	3.49	4.00	3.25
YES								
L0000558	0	0.36060E-07	477101.9	3742163.8	467.7	3.49	4.00	3.25
YES								
L0000559	0	0.36060E-07	477110.5	3742163.9	467.4	3.49	4.00	3.25
YES								
L0000560	0	0.36060E-07	477119.1	3742164.0	467.1	3.49	4.00	3.25
YES								
L0000561	0	0.36060E-07	477127.7	3742164.1	466.8	3.49	4.00	3.25
YES								
L0000562	0	0.36060E-07	477136.2	3742164.2	466.5	3.49	4.00	3.25
YES								
L0000563	0	0.36060E-07	477144.8	3742164.3	466.2	3.49	4.00	3.25
YES								
L0000564	0	0.36060E-07	477153.4	3742164.4	465.9	3.49	4.00	3.25
YES								
L0000565	0	0.36060E-07	477162.0	3742164.5	465.7	3.49	4.00	3.25
YES								
L0000566	0	0.36060E-07	477170.6	3742164.6	465.4	3.49	4.00	3.25
YES								
L0000567	0	0.36060E-07	477179.2	3742164.7	465.1	3.49	4.00	3.25
YES								
L0000568	0	0.36060E-07	477187.8	3742164.8	464.8	3.49	4.00	3.25
YES								
L0000569	0	0.36060E-07	477196.4	3742164.9	464.5	3.49	4.00	3.25
YES								
L0000570	0	0.36060E-07	477205.0	3742165.0	464.2	3.49	4.00	3.25
YES								
L0000571	0	0.36060E-07	477213.6	3742165.1	463.9	3.49	4.00	3.25
YES								
L0000572	0	0.36060E-07	477222.1	3742165.2	463.7	3.49	4.00	3.25
YES								
L0000573	0	0.36060E-07	477230.7	3742165.3	463.4	3.49	4.00	3.25
YES								
L0000574	0	0.36060E-07	477239.3	3742165.4	463.2	3.49	4.00	3.25
YES								
L0000575	0	0.59440E-07	477244.5	3742159.0	463.2	3.49	6.51	3.25
YES								
L0000576	0	0.59440E-07	477245.6	3742145.0	463.5	3.49	6.51	3.25
YES								
L0000577	0	0.59440E-07	477246.7	3742131.1	463.9	3.49	6.51	3.25
YES								

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SOURCE SCALAR VARY BY
L0000578	0	0.59440E-07	477248.3	3742117.2	464.0	3.49	6.51	3.25	YES
L0000579	0	0.59440E-07	477250.9	3742103.5	464.0	3.49	6.51	3.25	YES
L0000580	0	0.59440E-07	477255.2	3742090.1	464.2	3.49	6.51	3.25	YES
L0000581	0	0.59440E-07	477259.5	3742076.8	464.4	3.49	6.51	3.25	YES
L0000582	0	0.59440E-07	477263.8	3742063.5	464.5	3.49	6.51	3.25	YES
L0000583	0	0.59440E-07	477269.2	3742050.7	464.4	3.49	6.51	3.25	YES
L0000584	0	0.59440E-07	477276.2	3742038.5	464.1	3.49	6.51	3.25	YES
L0000585	0	0.59440E-07	477283.1	3742026.3	463.9	3.49	6.51	3.25	YES
L0000586	0	0.59440E-07	477290.0	3742014.2	463.7	3.49	6.51	3.25	YES
L0000587	0	0.59440E-07	477296.9	3742002.0	463.5	3.49	6.51	3.25	YES
L0000588	0	0.59440E-07	477305.6	3741991.2	463.6	3.49	6.51	3.25	YES
L0000589	0	0.59440E-07	477315.9	3741981.7	463.7	3.49	6.51	3.25	YES
L0000590	0	0.59440E-07	477326.2	3741972.2	463.5	3.49	6.51	3.25	YES
L0000591	0	0.59440E-07	477336.5	3741962.7	463.1	3.49	6.51	3.25	YES
L0000592	0	0.59440E-07	477346.8	3741953.2	462.8	3.49	6.51	3.25	YES
L0000593	0	0.59440E-07	477357.4	3741944.2	462.4	3.49	6.51	3.25	YES
L0000594	0	0.59440E-07	477369.0	3741936.4	462.0	3.49	6.51	3.25	YES
L0000595	0	0.59440E-07	477380.6	3741928.5	461.6	3.49	6.51	3.25	YES
L0000596	0	0.59440E-07	477392.1	3741920.6	461.3	3.49	6.51	3.25	YES
L0000597	0	0.59440E-07	477403.3	3741912.2	461.0	3.49	6.51	3.25	YES
L0000598	0	0.59440E-07	477414.5	3741903.8	461.0	3.49	6.51	3.25	YES
L0000599	0	0.59440E-07	477425.0	3741894.5	461.0	3.49	6.51	3.25	YES
L0000600	0	0.59440E-07	477435.1	3741884.8	460.8	3.49	6.51	3.25	YES
L0000601	0	0.59440E-07	477445.2	3741875.2	460.5	3.49	6.51	3.25	YES
L0000602	0	0.59440E-07	477454.2	3741864.5	460.2	3.49	6.51	3.25	YES
L0000603	0	0.59440E-07	477462.2	3741853.0	460.0	3.49	6.51	3.25	YES
L0000604	0	0.59440E-07	477470.3	3741841.6	460.0	3.49	6.51	3.25	YES
L0000605	0	0.59440E-07	477478.3	3741830.1	460.0	3.49	6.51	3.25	YES

L0000606 0 0.59440E-07 477486.4 3741818.7 460.0 3.49 6.51 3.25
YES
L0000607 0 0.59440E-07 477491.2 3741805.6 460.0 3.49 6.51 3.25
YES
L0000608 0 0.59440E-07 477495.5 3741792.3 459.8 3.49 6.51 3.25
YES
L0000609 0 0.59440E-07 477499.9 3741779.0 459.7 3.49 6.51 3.25
YES
L0000610 0 0.59440E-07 477503.5 3741765.5 459.6 3.49 6.51 3.25
YES
L0000611 0 0.59440E-07 477505.8 3741751.7 459.7 3.49 6.51 3.25
YES
L0000612 0 0.59440E-07 477507.6 3741737.8 460.0 3.49 6.51 3.25
YES
L0000613 0 0.59440E-07 477508.1 3741723.8 460.0 3.49 6.51 3.25
YES
L0000614 0 0.59440E-07 477508.5 3741709.8 460.0 3.49 6.51 3.25
YES
L0000615 0 0.59440E-07 477509.0 3741695.8 460.1 3.49 6.51 3.25
YES
L0000616 0 0.59440E-07 477509.1 3741681.8 460.3 3.49 6.51 3.25
YES
L0000617 0 0.59440E-07 477509.0 3741667.8 460.4 3.49 6.51 3.25
YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0000618	0	0.59440E-07	477508.9	3741653.8	460.4	3.49	6.51	3.25
YES								
L0000619	0	0.59440E-07	477508.8	3741639.8	460.4	3.49	6.51	3.25
YES								
L0000620	0	0.59440E-07	477508.8	3741625.8	460.4	3.49	6.51	3.25
YES								
L0000621	0	0.59440E-07	477508.7	3741611.8	460.5	3.49	6.51	3.25
YES								
L0000622	0	0.59440E-07	477508.6	3741597.8	460.8	3.49	6.51	3.25
YES								
L0000623	0	0.59440E-07	477508.5	3741583.8	461.0	3.49	6.51	3.25
YES								
L0000624	0	0.59440E-07	477508.4	3741569.8	461.2	3.49	6.51	3.25
YES								
L0000625	0	0.59440E-07	477508.3	3741555.8	461.4	3.49	6.51	3.25
YES								
L0000626	0	0.59440E-07	477508.3	3741541.8	461.4	3.49	6.51	3.25
YES								
L0000627	0	0.59440E-07	477508.2	3741527.8	461.4	3.49	6.51	3.25
YES								
L0000628	0	0.59440E-07	477508.2	3741513.8	461.4	3.49	6.51	3.25
YES								

L0000629	0	0.59440E-07	477508.1	3741499.8	461.4	3.49	6.51	3.25
YES								
L0000630	0	0.59440E-07	477508.1	3741485.8	461.6	3.49	6.51	3.25
YES								
L0000631	0	0.59440E-07	477508.0	3741471.8	461.9	3.49	6.51	3.25
YES								
L0000632	0	0.59440E-07	477508.0	3741457.8	462.0	3.49	6.51	3.25
YES								
L0000633	0	0.59440E-07	477508.0	3741443.8	462.0	3.49	6.51	3.25
YES								
L0000634	0	0.59440E-07	477507.9	3741429.8	462.1	3.49	6.51	3.25
YES								
L0000635	0	0.59440E-07	477507.9	3741415.8	462.3	3.49	6.51	3.25
YES								
L0000636	0	0.59440E-07	477507.8	3741401.8	462.4	3.49	6.51	3.25
YES								
L0000637	0	0.59440E-07	477507.7	3741387.8	462.4	3.49	6.51	3.25
YES								
L0000638	0	0.59440E-07	477507.6	3741373.8	462.4	3.49	6.51	3.25
YES								
L0000639	0	0.59440E-07	477507.5	3741359.8	462.4	3.49	6.51	3.25
YES								
L0000640	0	0.59440E-07	477507.3	3741345.8	462.4	3.49	6.51	3.25
YES								
L0000641	0	0.59440E-07	477507.2	3741331.8	462.4	3.49	6.51	3.25
YES								
L0000642	0	0.59440E-07	477507.0	3741317.8	462.4	3.49	6.51	3.25
YES								
L0000643	0	0.59440E-07	477506.9	3741303.8	462.8	3.49	6.51	3.25
YES								
L0000644	0	0.59440E-07	477506.8	3741289.8	463.3	3.49	6.51	3.25
YES								
L0000645	0	0.59440E-07	477506.6	3741275.9	463.4	3.49	6.51	3.25
YES								
L0000646	0	0.59440E-07	477506.5	3741261.9	463.4	3.49	6.51	3.25
YES								
L0000647	0	0.59440E-07	477506.3	3741247.9	463.4	3.49	6.51	3.25
YES								
L0000648	0	0.59440E-07	477506.2	3741233.9	463.5	3.49	6.51	3.25
YES								
L0000649	0	0.59440E-07	477506.1	3741219.9	463.7	3.49	6.51	3.25
YES								
L0000650	0	0.59440E-07	477505.9	3741205.9	464.1	3.49	6.51	3.25
YES								
L0000651	0	0.59440E-07	477505.8	3741191.9	464.5	3.49	6.51	3.25
YES								
L0000652	0	0.59440E-07	477505.7	3741177.9	464.5	3.49	6.51	3.25
YES								
L0000653	0	0.59440E-07	477507.1	3741164.0	464.4	3.49	6.51	3.25
YES								
L0000654	0	0.59440E-07	477509.1	3741150.1	464.4	3.49	6.51	3.25
YES								
L0000655	0	0.59440E-07	477511.2	3741136.3	464.3	3.49	6.51	3.25
YES								
L0000656	0	0.59440E-07	477513.8	3741122.5	464.2	3.49	6.51	3.25
YES								
L0000657	0	0.59440E-07	477517.6	3741109.1	464.1	3.49	6.51	3.25
YES								

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. SCALAR VARY CATS. BY	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0000658	0	0.59440E-07	477521.4	3741095.6	463.6	3.49	6.51	3.25
YES								
L0000659	0	0.59440E-07	477526.6	3741082.7	463.2	3.49	6.51	3.25
YES								
L0000660	0	0.59440E-07	477533.7	3741070.6	462.9	3.49	6.51	3.25
YES								
L0000661	0	0.59440E-07	477540.7	3741058.5	462.6	3.49	6.51	3.25
YES								
L0000662	0	0.59440E-07	477547.7	3741046.4	462.1	3.49	6.51	3.25
YES								
L0000663	0	0.59440E-07	477554.7	3741034.3	462.0	3.49	6.51	3.25
YES								
L0000664	0	0.59440E-07	477561.7	3741022.1	462.0	3.49	6.51	3.25
YES								
L0000665	0	0.59440E-07	477570.0	3741010.9	462.0	3.49	6.51	3.25
YES								
L0000666	0	0.59440E-07	477579.5	3741000.7	462.0	3.49	6.51	3.25
YES								
L0000667	0	0.59440E-07	477589.1	3740990.4	461.7	3.49	6.51	3.25
YES								
L0000668	0	0.59440E-07	477598.6	3740980.2	461.4	3.49	6.51	3.25
YES								
L0000669	0	0.59440E-07	477609.9	3740972.0	461.0	3.49	6.51	3.25
YES								
L0000670	0	0.59440E-07	477621.3	3740963.8	460.6	3.49	6.51	3.25
YES								
L0000671	0	0.59440E-07	477632.7	3740955.7	460.2	3.49	6.51	3.25
YES								
L0000672	0	0.59440E-07	477644.6	3740948.3	459.9	3.49	6.51	3.25
YES								
L0000673	0	0.59440E-07	477656.6	3740941.1	459.7	3.49	6.51	3.25
YES								
L0000674	0	0.59440E-07	477668.5	3740933.8	459.8	3.49	6.51	3.25
YES								
L0000675	0	0.59440E-07	477680.5	3740926.5	459.6	3.49	6.51	3.25
YES								
L0000676	0	0.59440E-07	477692.4	3740919.2	459.2	3.49	6.51	3.25
YES								
L0000677	0	0.59440E-07	477704.4	3740911.9	458.9	3.49	6.51	3.25
YES								
L0000678	0	0.59440E-07	477715.7	3740903.8	458.5	3.49	6.51	3.25
YES								
L0000679	0	0.59440E-07	477727.1	3740895.5	458.1	3.49	6.51	3.25
YES								
L0000680	0	0.59440E-07	477738.4	3740887.3	458.0	3.49	6.51	3.25
YES								
L0000681	0	0.59440E-07	477749.7	3740879.0	458.0	3.49	6.51	3.25
YES								
L0000682	0	0.59440E-07	477761.0	3740870.8	458.0	3.49	6.51	3.25
YES								
L0000683	0	0.59440E-07	477771.4	3740861.4	457.6	3.49	6.51	3.25
YES								
L0000684	0	0.59440E-07	477781.3	3740851.5	457.3	3.49	6.51	3.25
YES								

```
 L0000685         0   0.59440E-07  477790.4 3740841.0   457.0     3.49     6.51     3.25
 YES
 L0000686         0   0.59440E-07  477798.2 3740829.4   456.7     3.49     6.51     3.25
 YES
 L0000687         0   0.59440E-07  477806.0 3740817.7   456.5     3.49     6.51     3.25
 YES
 L0000688         0   0.59440E-07  477813.9 3740806.2   456.2     3.49     6.51     3.25
 YES
 L0000689         0   0.59440E-07  477822.0 3740794.7   455.9     3.49     6.51     3.25
 YES
 L0000690         0   0.59440E-07  477830.0 3740783.3   455.7     3.49     6.51     3.25
 YES
 L0000691         0   0.59440E-07  477838.1 3740771.8   455.4     3.49     6.51     3.25
 YES
 L0000692         0   0.59440E-07  477846.1 3740760.4   455.1     3.49     6.51     3.25
 YES
 L0000693         0   0.59440E-07  477854.2 3740748.9   454.9     3.49     6.51     3.25
 YES
 L0000694         0   0.59440E-07  477862.2 3740737.5   454.6     3.49     6.51     3.25
 YES
 L0000695         0   0.59440E-07  477870.3 3740726.0   454.3     3.49     6.51     3.25
 YES
 L0000696         0   0.59440E-07  477878.4 3740714.6   454.1     3.49     6.51     3.25
 YES
 L0000697         0   0.59440E-07  477886.4 3740703.1   453.9     3.49     6.51     3.25
 YES
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***        05/13/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:14:42

                      PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 L0000698         0   0.59440E-07  477894.5 3740691.7   453.9     3.49     6.51     3.25
 YES
 L0000699         0   0.59440E-07  477902.5 3740680.2   454.0     3.49     6.51     3.25
 YES
 L0000700         0   0.59440E-07  477910.6 3740668.8   454.0     3.49     6.51     3.25
 YES
 L0000701         0   0.59440E-07  477918.6 3740657.3   453.7     3.49     6.51     3.25
 YES
 L0000702         0   0.59440E-07  477926.7 3740645.9   453.4     3.49     6.51     3.25
 YES
 L0000703         0   0.59440E-07  477934.4 3740634.2   453.2     3.49     6.51     3.25
 YES
 L0000704         0   0.59440E-07  477942.2 3740622.6   452.9     3.49     6.51     3.25
 YES
 L0000705         0   0.59440E-07  477949.9 3740610.9   452.7     3.49     6.51     3.25
 YES
 L0000706         0   0.59440E-07  477957.7 3740599.2   452.4     3.49     6.51     3.25
 YES
 L0000707         0   0.59440E-07  477965.4 3740587.6   452.4     3.49     6.51     3.25
 YES
```

L0000708	0	0.59440E-07	477973.2	3740575.9	452.6	3.49	6.51	3.25
YES								
L0000709	0	0.59440E-07	477981.6	3740564.7	452.6	3.49	6.51	3.25
YES								
L0000710	0	0.59440E-07	477990.1	3740553.7	452.3	3.49	6.51	3.25
YES								
L0000711	0	0.59440E-07	477998.7	3740542.6	452.0	3.49	6.51	3.25
YES								
L0000712	0	0.59440E-07	478007.6	3740531.8	452.1	3.49	6.51	3.25
YES								
L0000713	0	0.59440E-07	478016.9	3740521.4	452.2	3.49	6.51	3.25
YES								
L0000714	0	0.59440E-07	478026.4	3740511.0	452.1	3.49	6.51	3.25
YES								
L0000715	0	0.59440E-07	478037.5	3740502.6	451.8	3.49	6.51	3.25
YES								
L0000716	0	0.59440E-07	478048.7	3740494.1	451.6	3.49	6.51	3.25
YES								
L0000717	0	0.59440E-07	478059.9	3740485.7	451.7	3.49	6.51	3.25
YES								
L0000718	0	0.59440E-07	478071.4	3740477.8	451.6	3.49	6.51	3.25
YES								
L0000719	0	0.59440E-07	478083.3	3740470.4	451.2	3.49	6.51	3.25
YES								
L0000720	0	0.59440E-07	478095.4	3740463.4	450.9	3.49	6.51	3.25
YES								
L0000721	0	0.59440E-07	478108.0	3740457.3	450.8	3.49	6.51	3.25
YES								
L0000722	0	0.59440E-07	478120.6	3740451.3	450.8	3.49	6.51	3.25
YES								
L0000723	0	0.59440E-07	478133.3	3740445.2	450.6	3.49	6.51	3.25
YES								
L0000724	0	0.59440E-07	478145.9	3740439.2	450.1	3.49	6.51	3.25
YES								
L0000725	0	0.59440E-07	478158.5	3740433.1	450.0	3.49	6.51	3.25
YES								
L0000726	0	0.59440E-07	478171.1	3740427.1	450.0	3.49	6.51	3.25
YES								
L0000727	0	0.59440E-07	478183.8	3740421.0	449.9	3.49	6.51	3.25
YES								
L0000728	0	0.59440E-07	478196.4	3740415.0	449.4	3.49	6.51	3.25
YES								
L0000729	0	0.59440E-07	478209.0	3740408.9	449.0	3.49	6.51	3.25
YES								
L0000730	0	0.59440E-07	478221.6	3740402.9	448.8	3.49	6.51	3.25
YES								
L0000731	0	0.59440E-07	478234.3	3740396.8	448.7	3.49	6.51	3.25
YES								
L0000732	0	0.59440E-07	478246.9	3740390.8	448.7	3.49	6.51	3.25
YES								
L0000733	0	0.59440E-07	478259.5	3740384.7	448.4	3.49	6.51	3.25
YES								
L0000734	0	0.59440E-07	478272.1	3740378.7	448.0	3.49	6.51	3.25
YES								
L0000735	0	0.59440E-07	478284.8	3740372.6	448.0	3.49	6.51	3.25
YES								
L0000736	0	0.59440E-07	478297.4	3740366.6	448.0	3.49	6.51	3.25
YES								
L0000737	0	0.59440E-07	478310.0	3740360.5	447.7	3.49	6.51	3.25
YES								

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SOURCE SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0000738	0 CATS.	0.59440E-07	478322.6	3740354.4	447.2	3.49	6.51	3.25
YES								
L0000739	0	0.59440E-07	478335.2	3740348.3	447.0	3.49	6.51	3.25
YES								
L0000740	0	0.59440E-07	478347.8	3740342.2	447.0	3.49	6.51	3.25
YES								
L0000741	0	0.59440E-07	478360.4	3740336.0	447.0	3.49	6.51	3.25
YES								
L0000742	0	0.59440E-07	478373.0	3740329.9	446.6	3.49	6.51	3.25
YES								
L0000743	0	0.59440E-07	478385.6	3740323.8	446.2	3.49	6.51	3.25
YES								
L0000744	0	0.59440E-07	478398.1	3740317.7	446.0	3.49	6.51	3.25
YES								
L0000745	0	0.59440E-07	478410.7	3740311.5	446.0	3.49	6.51	3.25
YES								
L0000746	0	0.59440E-07	478423.3	3740305.4	446.0	3.49	6.51	3.25
YES								
L0000747	0	0.59440E-07	478435.9	3740299.3	445.9	3.49	6.51	3.25
YES								
L0000748	0	0.59440E-07	478448.5	3740293.2	446.0	3.49	6.51	3.25
YES								
L0000749	0	0.59440E-07	478461.1	3740287.1	445.6	3.49	6.51	3.25
YES								
L0000750	0	0.59440E-07	478473.7	3740280.9	445.2	3.49	6.51	3.25
YES								
L0000751	0	0.59440E-07	478486.3	3740274.8	445.0	3.49	6.51	3.25
YES								
L0000752	0	0.59440E-07	478498.9	3740268.7	445.0	3.49	6.51	3.25
YES								
L0000753	0	0.59440E-07	478511.5	3740262.6	445.0	3.49	6.51	3.25
YES								
L0000754	0	0.59440E-07	478524.1	3740256.4	445.0	3.49	6.51	3.25
YES								

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,

L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 ,
L0000392 , L0000393 ,

L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 ,
L0000400 , L0000401 ,

L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 ,
L0000408 , L0000409 ,

L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 ,
L0000416 , L0000417 ,

L0000418 , L0000419 , L0000420 , L0000421 , L0000422 , L0000423 ,
L0000424 , L0000425 ,

L0000426 , L0000427 , L0000428 , L0000429 , L0000430 , L0000431 ,
L0000432 , L0000433 ,

L0000434 , L0000435 , L0000436 , L0000437 , L0000438 , L0000439 ,
L0000440 , L0000441 ,

L0000442 , L0000443 , L0000444 , L0000445 , L0000446 , L0000447 ,
L0000448 , L0000449 ,

L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 ,
L0000456 , L0000457 ,

L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 ,
L0000464 , L0000465 ,

L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 ,
L0000472 , L0000473 ,

L0000474 , L0000475 , L0000476 , L0000477 , L0000478 , L0000479 ,
L0000480 , L0000481 ,

L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , L0000487 ,
L0000488 , L0000489 ,

L0000490 , L0000491 , L0000492 , L0000493 , L0000494 , L0000495 ,
L0000496 , L0000497 ,

L0000498 , L0000499 , L0000500 , L0000501 , L0000502 , L0000503 ,
L0000504 , L0000505 ,

L0000506 , L0000507 , L0000508 , L0000509 , L0000510 , L0000511 ,
L0000512 , L0000513 ,

L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 ,

L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 ,

L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , L0000535 ,
L0000536 , L0000537 ,

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

L0000538 , L0000539 , L0000540 , L0000541 , L0000542 , L0000543 ,
L0000544 , L0000545 ,

L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , L0000551 ,
L0000552 , L0000553 ,

L0000554 , 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 , L0000583 ,
L0000584 , L0000585 ,

L0000586 , L0000587 , L0000588 , L0000589 , L0000590 , L0000591 ,
L0000592 , L0000593 ,

L0000594 , L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 ,

L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 ,

L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 ,

L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 ,
L0000624 , L0000625 ,

L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 ,
L0000632 , L0000633 ,

L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 ,
L0000640 , L0000641 ,

L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 ,
L0000648 , L0000649 ,

L0000650 , L0000651 , L0000652 , L0000653 , L0000654 , L0000655 ,
L0000656 , L0000657 ,

L0000658 , L0000659 , L0000660 , L0000661 , L0000662 , L0000663 ,
L0000664 , L0000665 ,

L0000666 , L0000667 , L0000668 , L0000669 , L0000670 , L0000671 ,
L0000672 , L0000673 ,

L0000674 , L0000675 , L0000676 , L0000677 , L0000678 , L0000679 ,
L0000680 , L0000681 ,

L0000682 , L0000683 , L0000684 , L0000685 , L0000686 , L0000687 ,
L0000688 , L0000689 ,

L0000690 , L0000691 , L0000692 , L0000693 , L0000694 , L0000695 ,
L0000696 , L0000697 ,

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000698 , L0000699 , L0000700 , L0000701 , L0000702 , L0000703 , L0000704 , L0000705 ,
	L0000706 , L0000707 , L0000708 , L0000709 , L0000710 , L0000711 , L0000712 , L0000713 ,
	L0000714 , L0000715 , L0000716 , L0000717 , L0000718 , L0000719 , L0000720 , L0000721 ,
	L0000722 , L0000723 , L0000724 , L0000725 , L0000726 , L0000727 , L0000728 , L0000729 ,
	L0000730 , L0000731 , L0000732 , L0000733 , L0000734 , L0000735 , L0000736 , L0000737 ,
	L0000738 , L0000739 , L0000740 , L0000741 , L0000742 , L0000743 , L0000744 , L0000745 ,
	L0000746 , L0000747 , L0000748 , L0000749 , L0000750 , L0000751 , L0000752 , L0000753 ,
	L0000754 ,

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 ,
		L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 ,
		L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 ,
		L0000402 , L0000403 , L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 ,
		L0000410 , L0000411 , L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 ,

L0000418 , L0000419 , L0000420 , L0000421 , L0000422 , L0000423 ,
L0000424 , L0000425 ,

L0000426 , L0000427 , L0000428 , L0000429 , L0000430 , L0000431 ,
L0000432 , L0000433 ,

L0000434 , L0000435 , L0000436 , L0000437 , L0000438 , L0000439 ,
L0000440 , L0000441 ,

L0000442 , L0000443 , L0000444 , L0000445 , L0000446 , L0000447 ,
L0000448 , L0000449 ,

L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 ,
L0000456 , L0000457 ,

L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 ,
L0000464 , L0000465 ,

L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 ,
L0000472 , L0000473 ,

L0000474 , L0000475 , L0000476 , L0000477 , L0000478 , L0000479 ,
L0000480 , L0000481 ,

L0000482 , L0000483 , L0000484 , L0000485 , L0000486 , L0000487 ,
L0000488 , L0000489 ,

L0000490 , L0000491 , L0000492 , L0000493 , L0000494 , L0000495 ,
L0000496 , L0000497 ,

L0000498 , L0000499 , L0000500 , L0000501 , L0000502 , L0000503 ,
L0000504 , L0000505 ,

L0000506 , L0000507 , L0000508 , L0000509 , L0000510 , L0000511 ,
L0000512 , L0000513 ,

L0000514 , L0000515 , L0000516 , L0000517 , L0000518 , L0000519 ,
L0000520 , L0000521 ,

L0000522 , L0000523 , L0000524 , L0000525 , L0000526 , L0000527 ,
L0000528 , L0000529 ,

L0000530 , L0000531 , L0000532 , L0000533 , L0000534 , L0000535 ,
L0000536 , L0000537 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0000538 , L0000539 , L0000540 , L0000541 , L0000542 , L0000543 ,
L0000544 , L0000545 ,

L0000546 , L0000547 , L0000548 , L0000549 , L0000550 , L0000551 ,
L0000552 , L0000553 ,

L0000554 , 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 , L0000583 ,
L0000584 , L0000585 ,

L0000586 , L0000587 , L0000588 , L0000589 , L0000590 , L0000591 ,
L0000592 , L0000593 ,

L0000594 , L0000595 , L0000596 , L0000597 , L0000598 , L0000599 ,
L0000600 , L0000601 ,

L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
L0000608 , L0000609 ,

L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
L0000616 , L0000617 ,

L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 ,
L0000624 , L0000625 ,

L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 ,
L0000632 , L0000633 ,

L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 ,
L0000640 , L0000641 ,

L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 ,
L0000648 , L0000649 ,

L0000650 , L0000651 , L0000652 , L0000653 , L0000654 , L0000655 ,
L0000656 , L0000657 ,

L0000658 , L0000659 , L0000660 , L0000661 , L0000662 , L0000663 ,
L0000664 , L0000665 ,

L0000666 , L0000667 , L0000668 , L0000669 , L0000670 , L0000671 ,
L0000672 , L0000673 ,

L0000674 , L0000675 , L0000676 , L0000677 , L0000678 , L0000679 ,
L0000680 , L0000681 ,

L0000682 , L0000683 , L0000684 , L0000685 , L0000686 , L0000687 ,
L0000688 , L0000689 ,

L0000690 , L0000691 , L0000692 , L0000693 , L0000694 , L0000695 ,
L0000696 , L0000697 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0000698 , L0000699 , L0000700 , L0000701 , L0000702 , L0000703 ,
L0000704 , L0000705 ,

L0000706 , L0000707 , L0000708 , L0000709 , L0000710 , L0000711 ,
L0000712 , L0000713 ,

L0000714 , L0000715 , L0000716 , L0000717 , L0000718 , L0000719 ,
L0000720 , L0000721 ,

L0000722 , L0000723 , L0000724 , L0000725 , L0000726 , L0000727 ,
L0000728 , L0000729 ,

L0000730 , L0000731 , L0000732 , L0000733 , L0000734 , L0000735 ,
L0000736 , L0000737 ,

L0000738 , L0000739 , L0000740 , L0000741 , L0000742 , L0000743 ,
L0000744 , L0000745 ,

L0000746 , L0000747 , L0000748 , L0000749 , L0000750 , L0000751 ,
L0000752 , L0000753 ,

L0000754 ,

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

(476904.2, 3742058.8, 474.8, 605.0, 0.0); (477467.7, 3742374.3, 456.5, 456.5, 0.0);
(477466.4, 3742218.6, 458.0, 458.0, 0.0); (476774.9, 3742390.7, 480.6, 592.0, 0.0);
(477000.1, 3742500.8, 466.3, 502.0, 0.0); (476784.3, 3742498.8, 477.0, 560.0, 0.0);
(476660.0, 3742412.9, 486.4, 560.0, 0.0); (476671.1, 3742468.9, 482.4, 560.0, 0.0);
(476659.5, 3742435.1, 484.9, 560.0, 0.0); (476581.1, 3742647.1, 479.9, 479.9, 0.0);
(476481.8, 3742586.8, 487.5, 545.0, 0.0); (477315.4, 3742641.3, 456.8, 456.8, 0.0);
(477444.1, 3742142.7, 459.5, 459.5, 0.0); (477602.2, 3741979.1, 457.2, 457.2, 0.0);
(477600.0, 3741846.4, 457.3, 457.3, 0.0); (477626.3, 3741698.2, 457.4, 457.4, 0.0);
(477624.1, 3741609.1, 457.6, 593.0, 0.0); (477406.4, 3741335.0, 466.8, 605.0, 0.0);
(477401.0, 3741274.8, 467.9, 605.0, 0.0); (477400.6, 3741216.4, 468.0, 605.0, 0.0);
(477401.0, 3741187.0, 468.0, 605.0, 0.0); (477401.0, 3741143.0, 468.0, 605.0, 0.0);
(477401.0, 3741101.3, 468.0, 605.0, 0.0); (477401.0, 3741071.1, 468.0, 605.0, 0.0);
(477598.8, 3741016.7, 461.4, 593.0, 0.0); (477626.3, 3741068.8, 460.4, 593.0, 0.0);
(477777.3, 3740889.9, 457.4, 593.0, 0.0); (477709.0, 3740963.7, 457.9, 593.0, 0.0);
(477743.7, 3740922.8, 457.6, 593.0, 0.0); (477402.5, 3740968.0, 467.9, 605.0, 0.0);
(477646.1, 3741499.7, 457.8, 593.0, 0.0); (478157.0, 3742330.8,

```
     446.0,     446.0,       0.0);
     ( 478118.1, 3742202.5,     447.0,     447.0,       0.0);         ( 477044.8, 3742781.8,
     462.0,     462.0,       0.0);
     ( 477306.2, 3742121.6,     463.0,     592.0,       0.0);         ( 476888.5, 3742604.1,
     470.0,     470.0,       0.0);
     ( 476762.8, 3742021.4,     483.7,     605.0,       0.0);         ( 476849.8, 3741844.2,
     481.7,     605.0,       0.0);
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***       05/13/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:14:42

                      PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                                (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

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



                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES
                                    ***
                                                           (METERS/SEC)

                                                   1.54,   3.09,   5.14,   8.23,  10.80,
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14421 Thrifty
Oil\14421 Ops\144 ***       05/13/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:14:42

                      PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

   Surface file:
   PERI_V9_ADJU\PERI_v9.SFC                                                             Met
   Version:  16216
   Profile file:
   PERI_V9_ADJU\PERI_v9.PFL
   Surface format:
   FREE

   Profile format:
   FREE

   Surface station no.:     3171                  Upper air station no.:     3190
```

Name: UNKNOWN
UNKNOWN
Year: 2010

Name:
Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80	11.	9.1	292.5	5.5
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90	351.	9.1	290.4	5.5
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	186.	9.1	287.5	5.5
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	275.	9.1	285.9	5.5
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40	181.	9.1	285.4	5.5
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30	318.	9.1	284.9	5.5
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	196.	9.1	283.1	5.5
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	330.	9.1	281.4	5.5
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	332.	9.1	280.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000378 , L0000379 , L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 , L0000386 , L0000387 , L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 , L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 , L0000402 , L0000403 , L0000404 , L0000405 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
476904.24	3742058.77	0.00058	477467.74	3742374.29	0.00019
477466.43	3742218.64	0.00019	476774.92	3742390.68	0.00072
477000.12	3742500.81	0.00068	476784.33	3742498.77	0.00065
476660.05	3742412.95	0.00025	476671.12	3742468.91	0.00026
476659.47	3742435.10	0.00025	476581.13	3742647.07	0.00014
476481.76	3742586.78	0.00010	477315.44	3742641.34	0.00028
477444.07	3742142.73	0.00020	477602.24	3741979.10	0.00014
477599.97	3741846.38	0.00017	477626.33	3741698.21	0.00017
477624.06	3741609.12	0.00017	477406.44	3741335.02	0.00017
477401.03	3741274.75	0.00016	477400.65	3741216.41	0.00016
477401.03	3741187.04	0.00015	477401.03	3741143.00	0.00014
477401.03	3741101.27	0.00013	477401.03	3741071.14	0.00013
477598.85	3741016.66	0.00042	477626.28	3741068.82	0.00021
477777.34	3740889.94	0.00038	477708.96	3740963.73	0.00026
477743.73	3740922.78	0.00033	477402.45	3740967.97	0.00010
477646.13	3741499.66	0.00015	478157.04	3742330.77	0.00005
478118.11	3742202.48	0.00005	477044.75	3742781.83	0.00018
477306.20	3742121.60	0.00041	476888.55	3742604.09	0.00052
476762.82	3742021.36	0.00024	476849.76	3741844.16	0.00018

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00072	(476774.92, 3742390.68, 480.55, 592.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00068	(477000.12, 3742500.81, 466.32, 502.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00065	(476784.33, 3742498.77, 477.00, 560.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00058	(476904.24, 3742058.77, 474.77, 605.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00052	(476888.55, 3742604.09, 470.04, 470.04, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00042	(477598.85, 3741016.66, 461.37, 593.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00041	(477306.20, 3742121.60, 463.02, 592.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00038	(477777.34, 3740889.94, 457.42, 593.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00033	(477743.73, 3740922.78, 457.59, 593.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00028	(477315.44, 3742641.34, 456.81, 456.81, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of   1050 Missing Hours Identified (2.40 Percent)

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


   ********   WARNING MESSAGES   ********
ME W186     954       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     954       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:     14010101
MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap

   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

This page intentionally left blank

APPENDIX 2.4:

RISK CALCULATIONS

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario - Construction Activity

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.02972	2.97E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.4E-05	3.3E-06	5.0E+00	1.4E-03	5.9E-03							
TOTAL								3.3E-06			5.9E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

3.26

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	275
exposure duration (years)	1.05
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (0 to 2 years old)	10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00058	5.80E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.2E-07	1.4E-07	5.0E+00	1.4E-03	1.2E-04							
TOTAL								1.4E-07			1.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.14

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	13.23
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years	3

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00058	5.80E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.5E-07	2.2E-08	5.0E+00	1.4E-03	1.2E-04							
TOTAL								2.2E-08			1.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.02

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million) 3.42

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	1.63E-01	1.63E-04	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.7E-05	4.0E-07	5.0E+00	1.4E-03	3.3E-02							
	TOTAL								4.0E-07			3.3E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
									0.40										

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	261
exposure duration (years)	1.00
inhalation rate (L/kg-day))	230
inhalation absorption factor	1
averaging time (years)	70

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
-0.25 to 0 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00072	7.20E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.5E-07	7.9E-09	5.0E+00	1.4E-03	1.4E-04							
TOTAL								7.9E-09			1.4E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	0.25
inhalation rate (L/kg-day))	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (age third trimester	10

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00072	7.20E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.5E-07	1.9E-07	5.0E+00	1.4E-03	1.4E-04							
TOTAL								1.9E-07			1.4E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	2
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (0 to 2 years old)	10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00072	7.20E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.9E-07	1.8E-07	5.0E+00	1.4E-03	1.4E-04							
TOTAL								1.8E-07			1.4E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years	3

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00072	7.20E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.8E-07	2.8E-08	5.0E+00	1.4E-03	1.4E-04							
TOTAL								2.8E-08			1.4E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.03

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million) **0.41**

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	($mg/kg/day$)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	5.20E-04	5.20E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	8.2E-08	3.1E-08	5.0E+00	1.4E-03	1.0E-04							
	TOTAL								3.1E-08 0.03			1.0E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	250
exposure duration (years)	25
inhalation rate (L/kg-day))	230
inhalation absorption factor	1
averaging time (years)	70

This page intentionally left blank