

**AIR QUALITY, GREENHOUSE GAS, AND HEALTH  
RISK ASSESSMENT  
TECHNICAL STUDY**

**FOR THE**

**LBA REDLANDS WAREHOUSE BUILDING PROJECT**

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## EXECUTIVE SUMMARY

LBA Realty is proposing to construct a 181,100 square foot industrial warehouse building with a 4,000 square foot mezzanine for a total building area of 185,100 square feet. A parking lot containing 231 standard and compact parking spaces and 30 trailer parking spaces, is also proposed as part of the Project.

In accordance with requirements under the California Environmental Quality Act (CEQA), this Air Quality, Greenhouse Gas and Health Risk Assessment Study provides an estimate of emissions for the Project and the potential impacts from associated construction and operation activities. The report includes the categories and types of emission sources resulting from the Project, the calculation procedures used in the analysis, and any assumptions or limitations.

This report also summarizes the potential for the Project to conflict with an applicable air quality plan, violate an air quality standard or threshold, result in a cumulatively net increase of criteria pollutant emissions, expose sensitive receptors to substantial pollutant concentrations, or create objectionable odors affecting a substantial number of people.

The findings of the analyses are as follows:

- The Project would be consistent with air quality policies set forth by the South Coast Air Quality Management District (SCAQMD) and the Air Quality Management Plan.
- Construction and operational emissions would not contribute to short- or long-term emissions that would increase the carcinogenic effects on sensitive receptors. Emissions associated with construction and operation would not exceed the SCAQMD thresholds. Thus, the Project would not result in a regional violation of applicable air quality standards or jeopardize the timely attainment of such standards in South Coast Area Basin.
- Operation of the Project will not employ toxic air contaminant-emitting processes. No substantial pollutant concentration would be generated.
- Project construction and operations would not result in significant levels of odors.
- The Project would result in less than significant cumulative air quality impacts during construction and operation of the Project.
- The Project would result in less than significant cancer and noncancer health risks during construction of the Project.
- The Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.
- The Project would not conflict with applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs.

Based upon a worst-case assessment, the proposed Project does not result in significant impacts to surrounding land uses from air quality.

## PROJECT DESCRIPTION

The 9.44-acre Project site is located at 350 Iowa Street in the City of Redlands as shown in **Figure 1: Project Site Location**. The square shaped site is generally bound by Iowa Street to the west and Orange Blossom Trail to the south. The Project site is vacant and is used for staging for industrial equipment. The Project site and surrounding areas are zoned commercial and commercial/industrial. The Project consists of the development of a 181,000 square foot industrial warehouse building with a 4,000 square foot mezzanine for a total building area of 185,100 square feet (refer to **Figure 2: Site Plan**). Construction would occur between mid-2023 and occupied by the year 2024.









## AIR QUALITY SETTING

Ambient air quality emissions present complex environmental issues that require regulatory attention on both large and small scales. The cumulative nature of project-level and localized emissions contributing to greater regional conditions warrants that regulatory policies be instituted on national, State, and regional levels to address air quality concerns. The following sections outline the applicable regulatory framework that exists at the national, State, and regional levels for air quality.

### Background

The United States Environmental Protection Agency (USEPA) is responsible for federal oversight and enforcement of air quality management policies under the 1970 Clean Air Act (CAA). Each individual state is tasked with preparing and adhering to State Implementation Plans<sup>1</sup> (SIPs) for achieving the goals set forth within the CAA. California has some of the most stringent air quality policies in the country and, through the California Air Resources Board (CARB) branch of the California Environmental Protection Agency (CalEPA), has developed its own ambient air quality standards (AAQS). The State is divided into air quality jurisdictions; each jurisdiction is governed by a regional air district that oversees policy implementation, permitting of air pollution emission sources, and enforcement of regulatory requirements. Six criteria air pollutants (CAPs) are monitored at the federal, State, and regional levels. These six CAPs—ozone, particulate matter PM10 and PM2.5, nitrogen dioxide, carbon monoxide, lead, and sulfur dioxide—were identified based on a consensus of decades of research that concluded inhalation of each of the chemicals results in adverse health effects in humans. The six pollutants are identified below in **Table 1: Sources and Health Effects of Criteria Air Pollutants**, along with their common sources and primary health effects from inhalation exposure.

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1 A State Implementation Plan is a document prepared by each state describing existing air quality conditions and measures that will be followed to attain and maintain National Ambient Air Quality Standards.



**TABLE 1  
SOURCES AND HEALTH EFFECTS OF CRITERIA AIR POLLUTANTS**

Pollutants	Sources	Primary Effects
Ozone (O <sub>3</sub> )	Formed through chemical reactions between pollutants emitted from vehicles, factories and other industrial sources, fossil fuels, combustion, consumer products, evaporation of paints, and many other sources; VOCs and NO <sub>x</sub> react in the presence of sunlight	Respiratory symptoms; worsening of lung disease; lung tissue damage; ecosystem damage; damage to rubber and some plastics
Respirable particulate matter (PM <sub>10</sub> )	Emissions from combustion of gasoline, oil, diesel fuel or wood; dust from construction sites, landfills and agriculture, wildfires and brush/waste burning, industrial sources, wind-blown dust from open lands, pollen, and fragments of bacteria; chemical reactions of gases and certain organic compounds	Premature death and hospitalization; worsening of respiratory disease; reduced visibility; surface soiling
Fine particulate matter (PM <sub>2.5</sub> )	Emissions from combustion of gasoline, oil, diesel fuel or wood; chemical reactions of gases and certain organic compounds	Premature death; hospitalization; asthma-related emergencies; increased asthma symptoms and inhaler use
Carbon monoxide (CO)	Incomplete combustion of CO-containing fuels such as natural gas, gasoline, or wood; emitted by a wide variety of combustion sources, including motor vehicles, power plants, wildfires, and incinerators	Chest pain in heart disease patients; headaches; light-headedness; reduced mental alertness
Nitrogen dioxide (NO <sub>2</sub> )	Emitted from combustion sources similar to CO; formed in the atmosphere through reactions between NO and other air pollutants that require the presence of sunlight (photochemical reactions).	Lung irritation; enhanced allergic responses
Lead (Pb)	Present in soils; ore and metals processing; waste incinerators, utilities, and lead-acid battery manufacturers	Impaired mental function; learning disabilities; brain and kidney damage
Sulfur dioxide (SO <sub>2</sub> )	Emitted when sulfur-containing fuel is burned; industrial processes, such as natural gas and petroleum extraction, oil refining, and metal processing; volcanic activity and from geothermal fields	Worsening of asthma: increased symptoms, increased medication usage, and emergency room visits; acid rain

Source: California Air Resources Board, "Common Air Pollutants," <https://ww2.arb.ca.gov/resources/common-air-pollutants>. Accessed May 2022.

USEPA is the federal agency responsible for overseeing the country's air quality and setting the NAAQS for the CAPs. The NAAQS were devised based on extensive modeling and monitoring of air pollution across the country; they are designed to protect public health and prevent the formation of atmospheric ozone. Air quality of a region is considered to be in attainment of the NAAQS if the measured ambient air pollutant levels do not exceed the applicable concentration threshold.

As noted previously, CARB is the State agency responsible for setting the CAAQS. Air quality of a region is considered to be in attainment of the CAAQS if the measured ambient air pollutant levels for O<sub>3</sub>, CO,

NO2, SO2, PM10, PM2.5, and Pb are not exceeded, and all other standards are not equaled or exceeded at any time in any consecutive 3-year period. The CAAQS are also presented in **Table 2**.

For evaluation purposes, the SCAQMD territory is divided into 38 source receptor areas (SRAs). These SRAs are designated to provide a general representation of the local meteorological, terrain, and air quality conditions within the particular geographical area.

The Project site is within SRA 35, East San Bernardino Valley.<sup>2</sup> The nearest air monitoring station SCAQMD operates is located at 500 N. Dearborn Street.<sup>3</sup> This station monitors O3 and PM10. The next nearest air monitoring station is located at 24302 4<sup>th</sup> Street.<sup>4</sup> This station monitors O3, NO2, PM10 and PM2.5. **Table 2: Air Quality Monitoring Summary** summarizes published monitoring data from 2018 through 2020, the most recent 3-year period available. The data shows that during the past few years, the region has exceeded the O3, and PM10, PM2.5 standards.

USEPA and the CARB designate air basins where AAQS are exceeded as “nonattainment” areas. If standards are met, the area is designated as an “attainment” area. If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered “unclassified.” Federal nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards.

The current attainment designations for the San Bernardino County portion of the Basin are shown in **Table 3: South Coast Air Basin Attainment Status**. The Basin is currently designated as being in nonattainment at the federal level for O3 and PM2.5; and at the State level for O3, PM10, and PM2.5.

Air Pollutant	Average Time (Units)	2018	2019	2020
Ozone (O3)	State Max 1 hour (ppm)	0.136	0.137	0.173
	Days > CAAQS threshold (0.09 ppm)	53	73	104
	National Max 8 hour (ppm)	0.114	0.117	0.136
	Days > NAAQS threshold (0.075 ppm)	95	109	141
	State Max 8 hour (ppm)	0.115	0.118	0.17
	Days > CAAQS threshold (0.07 ppm)	99	111	145
Carbon monoxide (CO)		–	–	–
Nitrogen dioxide (NO2)	National Max 1 hour (ppm)	0.057	0.059	0.054

2 SCAQMD, General Forecast Areas and Air Monitoring Areas, map, <http://www.aqmd.gov/docs/default-source/default-document-library/map-of-monitoring-areas.pdf> Accessed May 2022.

3 South Coast Air Quality Management District, Site Survey Report for Redlands, AQS ID 060714003, <http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-monitoring-network-plan/aaqmp-redlands.pdf?sfvrsn=16>. Accessed May 2022.

4 South Coast Air Quality Management District, Site Survey Report for San Bernardino, AQS ID 060719004, <http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-monitoring-network-plan/aaqmp-sanbernardino.pdf?sfvrsn=16>. Accessed May 2022.

**TABLE 2  
AIR QUALITY MONITORING SUMMARY**

Air Pollutant	Average Time (Units)	2018	2019	2020
	Days > NAAQS threshold (0.100 ppm)	0	0	0
	State Max 1 hour (ppm)	0.057	0.059	0.054
	Days > CAAQS threshold (0.18 ppm)	0	0	0
Respirable particulate matter (PM10)	National Max (µg/m3)	74.2	44.9	87.7
	National Annual Average (µg/m3)	26.4	21.8	24.7
	Days > NAAQS threshold (150 µg/m3)	0	0	0
	State Max (µg/m3)	70.1	42.4	82.9
	State Annual Average (µg/m3)	25.1	—	—
	Days > CAAQS threshold (50 µg/m3)	2	0	2
	Fine particulate matter (PM2.5)	National Max (µg/m3)	30.1	60.5
National Annual Average (µg/m3)		11.1	—	12.2
Days > NAAQS threshold (35 µg/m3)		0	1	2
State Max (µg/m3)		30.1	60.5	56.6
State Annual Average (µg/m3)		—	—	—

Source: CARB, iADAM: Air Quality Data Statistics.

Note: (—) = Data not available.

**TABLE 3  
SOUTH COAST AIR BASIN ATTAINMENT STATUS**

Pollutant	State Status	National Status
Ozone (O3)	Nonattainment	Nonattainment
Carbon monoxide (CO)	Attainment	Unclassified/Attainment
Nitrogen dioxide (NO2)	Attainment	Unclassified/Attainment
Sulfur dioxide (SO2)	Attainment	Unclassified/Attainment
Respirable particulate matter (PM10)	Nonattainment	Attainment
Fine particulate matter (PM2.5)	Nonattainment	Nonattainment

Source: California Air Resources Board (CARB) Area Designation Maps / State and National, <https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations>. Accessed May 2022.

## GREENHOUSE GAS SETTING

California is the second largest contributor of GHGs in the United States and the 16th largest in the world.<sup>5</sup> In 2019, California produced 418.2 million metric tons of carbon dioxide equivalents (MMTCO<sub>2</sub>e), including imported electricity, and excluding combustion of international fuels and carbon sinks or storage. The major source of GHGs in California is transportation, contributing to 40 percent of the State’s total GHG emissions. The Statewide inventory of GHGs by sector is shown in **Table 4: California GHG Inventory 2011-2019**.

Main Sector	Emissions (MMTCO <sub>2</sub> e)								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
Transportation <sup>a</sup>	161.8	161.4	161.3	162.6	166.2	169.8	171.2	169.6	166.1
Electric Power	89.2	98.2	91.4	88.9	84.8	68.6	62.1	63.1	58.8
Industrial <sup>b</sup>	89.4	88.9	91.7	92.5	90.3	89.0	88.8	89.2	88.2
Commercial and Residential	46.0	43.5	44.2	38.2	38.8	40.6	41.3	41.4	43.8
Agriculture	34.4	35.5	33.8	34.7	33.5	33.3	32.5	32.7	31.8
High GWP <sup>c,d</sup>	14.5	15.5	16.8	17.7	18.6	19.2	20.0	20.4	20.6
Recycled and waste	8.4	8.3	8.4	8.4	8.5	8.6	8.7	8.7	8.9
<b>Total Emissions</b>	<b>443.7</b>	<b>451.3</b>	<b>447.6</b>	<b>443.0</b>	<b>440.7</b>	<b>429.1</b>	<b>424.6</b>	<b>425.1</b>	<b>418.2</b>

Source: CARB, GHG Current California Emission Inventory Data, <https://ww2.arb.ca.gov/ghg-inventory-data>. Accessed May 2022.

<sup>a</sup> Includes equipment used in construction, mining, oil drilling, industrial and airport ground operations.

<sup>b</sup> Reflects emissions from combustion of natural gas, diesel, and lease fuel plus fugitive emissions.

<sup>c</sup> These categories are listed in the Industrial sector of CARB’s GHG Emission Inventory sectors.

<sup>d</sup> This category is listed in the Electric Power sector of CARB’s GHG Emission Inventory sectors.

Note: MMTCO<sub>2</sub>e - million metric tons of carbon dioxide equivalent emissions

## Emissions Inventory and Forecast

The 2015 emissions inventory and 2030 and 2035 emissions forecasts cover direct GHG emissions from sources within the boundaries of Redlands. Indirect emissions associated with the consumption of energy (such as electricity, with no endpoint emissions) that is generated outside the borders of the city are also included. The emissions inventory and forecast tally emissions from ten sectors: (1) residential; (2) commercial; (3) industrial; (4) transportation; (5) solid waste; (6) water; (7) wastewater; (8) off-road equipment; (9) public lighting; and (10) agriculture. **Table 5: 2015 Emissions and BAU Forecast Emissions by Sector** provides the Business as Usual (BAU) emissions from the forecast for each sector and total emissions. The greatest projected emissions continue to be from the transportation sector, which accounts for 31 percent of emissions in 2030 and 27 percent of emissions in 2035. Residential

5 California Energy Commission, Inventory of California Greenhouse Gas Emissions and Sinks: 1990 to 2004, Staff Final Report, CEC-600-2006-013-SF (December 2006).



emissions are the next largest sector, with 25 percent of emissions in 2030 and 26 percent of the total in 2035.

TABLE 5 EMISSIONS AND BAU FORECAST EMISSIONS BY SECTOR			
Sector	2015	2030	2035
Residential	96,875	108,357	112,491
Commercial	73,071	86,071	90,899
Industrial	19,637	23,955	25,595
Transportation	170,635	133,727	117,667
Solid Waste	18,618	21,501	21,501
Water	2,284	3,342	3,427
Wastewater	2,222	3,138	3,208
Off-Road Equipment	34,797	46,659	52,326
Public Lighting	747	836	867
Agriculture	530	455	433
<b>Total</b>	<b>419,417</b>	<b>428,041</b>	<b>428,414</b>

Source: City of Redlands Climate Action Cap, Table 3-4: 2015 Emissions and BAU Forecast Emissions by Section, 2030 and 2035 (MTCO<sub>2e</sub> per year).

The City’s General Plan includes closely integrated land use and transportation systems and policies designed to foster a more sustainable community. **Table 6: Emissions Inventory, Forecasts, and Targets** shows the 2015 emissions inventory and 2030 and 2035 emissions forecasts reflecting already planned State actions, and incorporating results of the traffic forecasts conducted for the General Plan Update, as well additional reductions from other policies contained in the General Plan. **Table 5** shows the City will meet its target for 2030 and 2035 without any additional (beyond those already included in the General Plan) measures.

TABLE 6 EMISSIONS INVENTORY, FORECASTS, AND TARGETS			
Year	Inventory/Forecast (MTCO <sub>2</sub> e per year)	Inventory/Forecast (MTCO <sub>2</sub> e per capita per year)	GHG Emissions Targets (MTCO <sub>2</sub> e per capita per year)
2015	419,417	6.2	N/A
2030	362,092	4.8	6.0
2035	359,358	4.5	5.0

Source: City of Redlands Climate Action Cap, Table ES-1: Emissions Inventory, Forecasts, and Targets.

## REGULATORY BACKGROUND

### Air Quality

#### *Federal*

The USEPA sets national vehicle and stationary source emission standards; oversees approval of all SIPs; provides research and guidance for air pollution programs; and sets National Ambient Air Quality Standards (NAAQS). The NAAQS for the six CAPs are shown in **Table 7: Ambient Air Quality Standards** and were identified from provisions of the 1970 CAA. The sections of the CAA that are most applicable to the Project include Title I: Nonattainment Provisions and Title II: Mobile Source Provisions.

**TABLE 7  
AMBIENT AIR QUALITY STANDARDS**

Pollutant	Averaging Time	California Standards		Federal Standards		
		Concentration	Method	Primary	Secondary	Method
Ozone (O3)	1 hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet photometry	—	Same as primary standard	Ultraviolet photometry
	8 hours	0.07 ppm (137 µg/m <sup>3</sup> )		0.075 ppm (147 µg/m <sup>3</sup> )		
Respirable particulate matter (PM10)	24 hours	50 µg/m <sup>3</sup>	Gravimetric or beta attenuation	150 µg/m <sup>3</sup>	Same as primary standard	Inertial separation and gravimetric analysis
	Annual arithmetic mean	20 µg/m <sup>3</sup>		—		
Fine particulate matter (PM2.5)	24 hours	No separate State standard		35 µg/m <sup>3</sup>	Same as primary standard	Inertial separation and gravimetric analysis
	Annual arithmetic mean	12 µg/m <sup>3</sup>	Gravimetric or beta attenuation	15 µg/m <sup>3</sup>		
Carbon monoxide (CO)	8 hours	9.0 ppm (10 mg/m <sup>3</sup> )	Nondispersive infrared photometry (NDIR)	9 ppm (10 mg/m <sup>3</sup> )	None	NDIR
	1 hour	20 ppm (23 mg/m <sup>3</sup> )		35 ppm (40 mg/m <sup>3</sup> )		
Nitrogen dioxide (NO2)	Annual arithmetic mean	0.03 ppm (57 µg/m <sup>3</sup> )	Gas phase chemiluminescence	0.053 ppm (100 µg/m <sup>3</sup> )	Same as primary standard	Gas phase chemiluminescence
	1 hour	0.18 ppm (339 µg/m <sup>3</sup> )		0.100 ppm (188 µg/m <sup>3</sup> )		

Source: California Air Resources Board website at: <http://www.arb.ca.gov/research/aaqs/aaqs.htm>. Accessed May 2022.  
Note: ppm = parts per million.

The CAA and the promulgated standards have evolved as a living document over time as research into the effects of air pollution has enhanced regulatory understanding of the associated issues. The 1990 amendments to the CAA identify specific emission reduction goals for areas not meeting the NAAQS. These amendments require both a demonstration of reasonable further progress toward attainment and incorporation of additional sanctions for failure to attain or to meet interim milestones. On the national level, the USEPA designates regions as achieving “attainment” or suffering from “nonattainment” of the NAAQS based on air quality monitoring data. Regions that are designated as being in nonattainment are responsible for devising localized strategies for reducing emissions of CAPs and achieving regional attainment within a predetermined timeframe set by the USEPA.

The NAAQS were further amended in July 1997 to include an 8-hour standard for ozone and to adopt an NAAQS for PM2.5. The NAAQS were amended again in September 2006 to include an established methodology for calculating PM2.5, as well as to revoke the annual PM10 threshold. Additional revisions to the AAQS may be implemented in the future as the science of air quality progresses.

## ***State***

The California Clean Air Act, signed into law in 1988, requires all areas of the State to achieve and maintain the California Ambient Air Quality Standards (CAAQS) by the earliest practicable date. CARB is responsible for the coordination and administration of both State and federal air pollution control programs within California. In this capacity, CARB conducts research, sets CAAQS, compiles emission inventories, develops suggested control measures, and provides oversight of local programs.

CARB establishes emissions standards for motor vehicles sold in California, consumer products, and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions and the CAAQS currently in effect for each of the criteria pollutants, as well as other pollutants recognized by the State. The CAAQS are provided in **Table 2**. It should be noted that the CAAQS are generally more stringent than the NAAQS, reflecting California's diligent efforts toward reducing air pollution and improving air quality.

## ***Regional***

In California, jurisdiction over air quality management, enforcement, and planning divided into 35 geographic regions. Within each region, a local air district is responsible for oversight of air quality monitoring, modeling, permitting, and enforcement to ensure that regulatory violations are avoided wherever possible.

The Project site is located within the 6,700-square-mile Basin and is under the SCAQMD's jurisdiction. The Basin includes the southern two-thirds of Los Angeles County, all of Orange County, and the western urbanized portions of Riverside and San Bernardino Counties.

## **South Coast Air Quality Management District**

SCAQMD shares responsibility with CARB for ensuring that all State and federal AAQS are achieved and maintained over an area of approximately 10,743 square miles. This area includes the South Coast and Salton Sea Air Basins, all of Orange County, and the nondesert portions of Los Angeles, Riverside, and San Bernardino Counties. It does not include the Antelope Valley or the nondesert portion of western San Bernardino County.

SCAQMD is responsible for controlling emissions, primarily from stationary sources. SCAQMD maintains air quality monitoring stations throughout the air basins. SCAQMD, in coordination with the Southern California Association of Governments (SCAG), is also responsible for developing, updating, and implementing the Air Quality Management Plan (AQMP) for the air basins. An AQMP is a plan prepared and implemented by an air pollution district for a county or region designated as being in nonattainment of the NAAQS or CAAQS. The term "nonattainment area" is used to refer to an air basin in which one or more AAQS are exceeded. SCAQMD also prepares the SIP for its jurisdiction and promulgates rules and regulations. The SIP includes strategies and tactics to be used to attain the federal ozone standards in the South Coast Air Basin. The SIP elements are taken from the most recent AQMP.



SCAQMD approved a Final 2016 AQMP on March 3, 2017.<sup>6</sup> The 2016 AQMP includes transportation control measures developed by SCAG from its 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy, as well as the integrated strategies and measures needed to meet the NAAQS. The 2016 AQMP demonstrates attainment of the 1-hour and 8-hour ozone NAAQS, as well as the latest 24-hour and annual PM<sub>2.5</sub> standards. It should be noted that on September 3, 2020, SCAG adopted the 2020-2045 RTP/SCS,<sup>7</sup> which includes a SCS that addresses regional development and growth forecasts.

SCAQMD is responsible for limiting the number of emissions that can be generated throughout the air basins by various stationary, area, and mobile sources. Specific rules and regulations have been adopted by the SCAQMD Governing Board that limit the emissions that can be generated by various uses/activities and identifying specific pollution-reduction measures that must be implemented in association with various uses and activities. These rules regulate not only the emissions of the federal and State criteria pollutants, but also toxic air contaminants (TACs) and acutely hazardous materials. The rules are also subject to ongoing refinement by SCAQMD.

Among the SCAQMD rules applicable to the Project are Rule 403 (Fugitive Dust) and Rule 1113 (Architectural Coatings). Rule 403 requires the use of stringent best available control measures (BACMs) to minimize PM<sub>10</sub> emissions during grading and construction activities. Rule 1113 limits the VOC content of coatings, with a VOC content limit for flat coatings of 50 grams per liter (g/L).<sup>8</sup> Additional details regarding these rules and other potentially applicable rules are presented as follows.

**Rule 402 (Nuisance).** This rule states that a “person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or to the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.”<sup>9</sup>

**Rule 403 (Fugitive Dust).** This rule requires fugitive dust sources to implement BACMs for all sources and prohibits all forms of visible particulate matter from crossing any property line. BACMs may include application of water or chemical stabilizers to disturbed soils covering haul vehicles; restricting vehicle speeds on unpaved roads to 15 miles per hour (mph); sweeping loose dirt from paved site-access roadways; cessation of construction activity when winds exceed 25 mph; and establishing a permanent ground cover on finished sites. SCAQMD Rule 403 is intended to reduce PM<sub>10</sub> emissions from any

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6 SCAQMD, “Final 2016 Air Quality Management Plan” (2016), <https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf?sfvrsn=15>. Accessed May 2022.

7 Southern California Association of Governments (SCAG), Connect SoCal: 2020-2045 Regional Transportation Plan/Sustainable Communities Strategies Draft, “Chapter 1,” <https://www.connectsocial.org/Pages/Connect-SoCal-Draft-Plan.aspx>. Accessed May 2022.

8 SCAQMD, “Rule 1113 Architectural Coating” (amended September 6, 2013), <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1113.pdf>. Accessed May 2022.

9 SCAQMD, “Rule 402—Nuisance,” <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf>. Accessed May 2022.

transportation, handling, construction, or storage activity that has the potential to generate fugitive dust (see also Rule 1186).

**Rule 1113 (Architectural Coatings).** This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories.

**Rule 1146.2 (Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters).** This rule requires manufacturers, distributors, retailers, refurbishers, installers, and operators of new and existing units to reduce NO<sub>x</sub> emissions from natural-gas-fired water heaters, boilers, and process heaters as defined in this rule.

**Rule 1186 (PM<sub>10</sub> Emissions from Paved and Unpaved Roads, and Livestock Operations).** This rule applies to owners and operators of paved and unpaved roads and livestock operations. The rule is intended to reduce PM<sub>10</sub> emissions by requiring the cleanup of material deposited onto paved roads, use of certified street sweeping equipment, and treatment of high-use unpaved roads (see also Rule 403).

Stationary emissions sources subject to these rules are regulated through SCAQMD's permitting process. Through this permitting process, SCAQMD also monitors the number of stationary emissions being generated and uses this information in developing AQMPs.

## **Local**

### **City of Redlands General Plan 2035**

In December 2017, the City of Redlands adopted their 2035 General Plan.<sup>10</sup> This plan includes guidelines for a cleaner, greener, and more sustainable city. Chapter 7 (Healthy Community) of the General Plan includes goals to foster a healthy community in a safe environment that promotes active lifestyles, wellness, and access to recreation and locally sourced foods. The Healthy Community chapter contains the following air quality-related policies and actions:

- 7-P.44:** Protect air quality within the city and support efforts for enhanced regional air quality.
- 7-P.49:** Protect sensitive receptors from exposure to hazardous concentrations of air pollutants.
- 7-A.145:** Provide, whenever possible, incentives for carpooling, flex time, shortened work weeks, telecommuting, and other means of reducing vehicular miles traveled.
- 7-A.149:** Ensure that construction and grading projects minimize short-term impacts to air quality.
  - a. Require grading projects to provide a stormwater pollution prevention plan (SWPPP) in compliance with City requirements, which include standards for best management practices (BMPs) that control pollutants from dust generated by

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<sup>10</sup> City of Redlands, General Plan 2035, <https://www.cityofredlands.org/sites/main/files/file-attachments/gp2035.pdf?1554321255>, Accessed May 2022.

construction activities and those related to vehicle and equipment cleaning, fueling, and maintenance;

- b. Require grading projects to undertake measures to minimize mono-nitrogen oxides (NOx) emissions from vehicle and equipment operations; and
- c. Monitor all construction to ensure that proper steps are implemented.

**7-A.152:** Enforce regulations to prevent trucks from excessive idling in residential areas.

## **Greenhouse Gas**

### ***Greenhouse Gas Reduction Targets***

Executive Order S-3-05, signed by Governor Arnold Schwarzenegger and issued in June 2005, proclaimed that California is vulnerable to the impacts of climate change.<sup>11</sup> It declared that increased temperatures could reduce the Sierra snowpack, further exacerbate California’s air quality problems, and potentially cause a rise in sea levels. To combat those concerns, the Executive Order established the following total GHG emission targets:

- By 2010, reduce GHG emissions to 2000 levels;
- By 2020, reduce GHG emissions to 1990 levels; and
- By 2050, reduce GHG emissions to 80 percent below 1990 levels.

Executive Order B-30-15, signed by Governor Edmund Gerald “Jerry” Brown and issued on April 29, 2015, established a new Statewide policy goal to reduce GHG emissions to 40 percent below their 1990 levels by 2030. Reducing GHG emissions by 40 percent below 1990 levels in 2030, and by 80 percent below 1990 levels by 2050 (consistent with Executive Order S-3-05), aligns with scientifically established levels needed to limit global warming to less than 2 degrees Celsius.<sup>12</sup>

AB 32, the Global Warming Solutions Act of 2006, requires a sharp reduction of GHG emissions to 1990 levels by 2020. To achieve these goals, which are consistent with the California Climate Action Team, which works to coordinate statewide efforts to implement global warming emission reduction programs and the state’s Climate Adaptation Strategy after the passing of AB 32, AB 32 mandates that CARB establish a quantified emissions cap and institute a schedule to meet the cap; implement regulations to reduce Statewide GHG emissions from stationary sources consistent with the California Climate Action Team strategies; and develop tracking, reporting, and enforcement mechanisms to ensure that reductions are achieved. To reach the reduction targets, AB 32 requires CARB to adopt—in an open, public process—

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11 Executive Department State of California, <https://www.library.ca.gov/wp-content/uploads/GovernmentPublications/executive-order-proclamation/5129-5130.pdf>. Accessed May 2022.

12 Office of the Governor, Governor Brown Established Most Ambitious Greenhouse Gas Reduction Target in North America (April 29, 2015), <https://www.ca.gov/archive/gov39/2015/04/29/news18938/index.html>. Accessed May 2022.

rules and regulations that achieve the maximum technologically feasible and cost-effective GHG reductions.

### ***Climate Change Scoping Plan***

CARB approved a Climate Change Scoping Plan (Scoping Plan) on December 11, 2008, as required by AB 32. The Scoping Plan proposed a “comprehensive set of actions designed to reduce overall carbon GHG emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health.”<sup>13</sup> The Scoping Plan had a range of GHG reduction actions, including direct regulations; alternative compliance mechanisms; monetary and nonmonetary incentives; voluntary actions; market-based mechanisms, such as a cap-and-trade system; and an AB 32 implementation regulation to fund the program.

The Scoping Plan called for a “coordinated set of strategies” to address all major categories of GHG emissions.<sup>14</sup> Transportation emissions were to be addressed through a combination of higher standards for vehicle fuel economy, implementation of the Low Carbon Fuel Standard,<sup>15</sup> and greater consideration to reducing trip length and generation through land use planning and transit-oriented development. Buildings, land use, and industrial operations were encouraged and, sometimes, required to implement energy efficiency practices. Utility energy supplies will change to include more renewable energy sources through implementation of the Renewables Portfolio Standard. This will be complemented with emphasis on local generation, including rooftop photovoltaics and solar hot water installations. Additionally, the Scoping Plan emphasized opportunities for households and businesses to save energy and money through increasing energy efficiency. It indicated that substantial savings of electricity and natural gas would be accomplished through improving energy efficiency.

CARB updated the Scoping Plan in May 2014 (2014 Scoping Plan). The 2014 Scoping Plan<sup>16</sup> adjusted the 1990 GHG emissions levels to 431 million metric tons of carbon dioxide equivalents (MMTCO<sub>2</sub>e); the updated 2020 GHG emissions forecast is 509 MMTCO<sub>2</sub>e, which credited for certain GHG emission reduction measures already in place (e.g., the RPS). The 2014 Scoping Plan also recommended a 40 percent reduction in GHG emissions from 1990 levels by 2030, and a 60 percent reduction in GHG emissions from 1990 levels by 2040.

The 2017 Scoping Plan,<sup>17</sup> approved on December 14, 2017, builds on previous programs, and takes aim at the 2030 target established by the SB 32 (Pavley), which is further discussed below. The 2017 Scoping Plan outlines options to meet California’s aggressive goals to reduce GHGs by 40 percent below 1990

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13 CARB, Climate Change Scoping Plan: A Framework for Change, [https://www.arb.ca.gov/cc/scopingplan/document/adopted\\_scoping\\_plan.pdf](https://www.arb.ca.gov/cc/scopingplan/document/adopted_scoping_plan.pdf). Accessed May 2022.

14 CARB, Climate Change Scoping Plan, p. ES-7.

15 Office of the Governor, Executive Order S-01-07, (January 18, 2007), <https://climateactionnetwork.ca/wp-content/uploads/2011/06/eos0107.pdf>. Accessed May 2022.

16 CARB, First Update to the Climate Change Scoping Plan: Building on the Framework (May 2014).

17 CARB, California’s 2017 Climate Change Scoping Plan, [https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping\\_plan\\_2017.pdf](https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping_plan_2017.pdf). Accessed May 2022.



levels by 2030. In addition, the plan incorporates the State’s updated RPS requiring utilities to procure 50 percent of their electricity from renewable energy sources by 2030. It also raises the State’s Low Carbon Fuel Standard<sup>18</sup> and aims to reduce emissions of methane and hydrofluorocarbons by 40 percent from 2013 levels by 2030 and emissions of black carbon by 50 percent from 2013 levels.

The 2017 Scoping Plan<sup>19</sup> advises that absent conformity with a qualified GHG reduction plan, projects should incorporate all feasible GHG reduction measures and that achieving “no net additional increase in GHG emissions, resulting in no contribution to GHG impacts, is an appropriate overall objective for new development.”

## ***Transportation***

Executive Order S-1-07, the Low Carbon Fuel Standard (issued on January 18, 2007), requires a reduction of at least 10 percent in the carbon intensity of California’s transportation fuels by 2020.<sup>20</sup> Regulatory proceedings and implementation of the Low Carbon Fuel Standard have been directed to CARB. CARB has identified the Low Carbon Fuel Standard as a discrete early action item in the adopted Scoping Plan. CARB expects the Low Carbon Fuel Standard to achieve the minimum 10 percent reduction goal; however, many of the early action items outlined in the Scoping Plan work in tandem with one another. Other specific emission reduction measures included are the Million Solar Roofs Program<sup>21</sup> and Assembly Bill (AB) 1493 (Pavley I), Vehicle Emissions: Greenhouse Gases, which establishes motor vehicle GHG emissions standards.<sup>22</sup> To avoid the potential for double-counting emission reductions associated with AB 1493, the Scoping Plan has modified the aggregate reduction expected from the Low Carbon Fuel Standard to 9.1 percent. CARB released a draft version of the Low Carbon Fuel Standard in October 2008. The final regulation was approved by the Office of Administrative Law and filed with the Secretary of State on January 12, 2010; the Low Carbon Fuel Standard became effective on the same day.

Additionally, SCAG has prepared and adopted the 2020-2045 RTP/SCS,<sup>23</sup> which includes a Sustainable Communities Strategy that addresses regional development and growth forecasts. The SCAG 2020-2045 RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals, with a specific goal of achieving an 8 percent reduction in

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18 Office of the Governor, Executive Order S-01-07, (January 18, 2007), <https://climateactionnetwork.ca/wp-content/uploads/2011/06/eos0107.pdf>. Accessed May 2022.

19 California Air Resources Board, 2017. California’s 2017 Climate Change Scoping Plan. pp. 100-101. Available: [https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping\\_plan\\_2017.pdf](https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping_plan_2017.pdf). Accessed May 2022.

20 Office of the Governor, Executive Order S-01-07 (January 18, 2007), <https://climateactionnetwork.ca/wp-content/uploads/2011/06/eos0107.pdf>. Accessed May 2022.

21 US Department of Energy, Laying the Foundation for Solar America: The Million Solar Roofs Initiative, <https://www.nrel.gov/docs/fy07osti/40483.pdf>. Accessed May 2022.

22 The standards enacted in Pavley I are the first GHG standards in the nation for passenger vehicles and took effect for model years starting in 2009 and going through 2016. Pavley I could potentially result in 27.7 million metric tons CO<sub>2</sub>e reduction in 2020. Pavley II will cover model years 2017 to 2025 and potentially result in an additional reduction of 4.1 million metric tons CO<sub>2</sub>e.

23 Southern California Association of Governments (SCAG), Connect SoCal: 2020-2045 Regional Transportation Plan/Sustainable Communities Strategies Draft, Chapter 1, <https://www.connectsocial.org/Pages/Connect-SoCal-Draft-Plan.aspx>. Accessed May 2022.

passenger vehicle GHG emissions on a per capita basis by 2020, 19 percent reduction by 2035, and 21 percent reduction by 2040 compared to the 2005 level.

## ***Energy***

The California Energy Commission (CEC) first adopted the Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations, Title 24, Part 6) in 1978 in response to a legislative mandate to reduce energy consumption in the State. Although not originally intended to reduce GHG emissions, increased energy efficiency, and reduced consumption of electricity, natural gas, and other fuels would result in fewer GHG emissions from residential and nonresidential buildings subject to the standard. The standards are updated periodically to allow for the consideration and inclusion of new energy efficiency technologies and methods.

Part 11 of the Title 24 Building Energy Efficiency Standards is referred to as the California Green Building Standards (CALGreen) Code. The purpose of the CALGreen Code is to “improve public health, safety and general welfare by enhancing the design and construction of buildings through the use of building concepts having a positive environmental impact and encouraging sustainable construction practices in the following categories: (1) Planning and design; (2) Energy efficiency; (3) Water efficiency and conservation; (4) Material conservation and resource efficiency; and (5) Environmental air quality.” The CALGreen Code is mandatory for all new buildings constructed in the State and establishes mandatory measures for new residential and non-residential buildings. Such mandatory measures include energy efficiency, water conservation, material conservation, planning and design and overall environmental quality. The CALGreen Code was most recently updated in 2019 to include new mandatory measures for residential as well as nonresidential uses; the new measures took effect on January 1, 2020.

SB 1078 (Chapter 516, Statutes of 2002) requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017. SB 107 (Chapter 464, Statutes of 2006) changed the target date to 2010. In November 2008, Governor Schwarzenegger signed Executive Order S-14-08, which expands the State's Renewables Portfolio Standard to 33 percent renewable power by 2020. Pursuant to Executive Order S-21-09, CARB was also preparing regulations to supplement the Renewables Portfolio Standard with a Renewable Energy Standard that will result in a total renewable energy requirement for utilities of 33 percent by 2020. But on April 12, 2011, Governor Jerry Brown signed SB X1-2 to increase California's Renewables Portfolio Standard to 33 percent by 2020. SB 350 (Chapter 547, Statutes of 2015), signed into law on October 7, 2015, further increased the Renewables Portfolio Standard to 50 percent by 2030. The legislation also included interim targets of 40 percent by 2024 and 45 percent by 2027.

## ***City of Redlands Climate Action Plan (CAP)***

The City of Redlands Climate Action Plan (CAP)<sup>24</sup> has been prepared concurrently with the updated General Plan, reflecting the City's most current land use and transportation strategy, and GHG implications of various General Plan's goals and policies. The CAP includes goals and policies to promote energy efficiency, waste reduction, and resource conservation and recycling. The CAP's GHG emission targets and goals were based on meeting the goals in Executive Order B-30-15 and SB 32 and following the guidance established in the 2017 Scoping Plan. The CAP used the 2017 Scoping Plan recommended Plan Level emissions target of 6.0 MTCO<sub>2</sub>e per capita per year for 2030. Based on the CAP analysis, the City of Redlands will achieve the 2030 target based on State actions and existing development standards and would not require any specific measures to reduce GHG emissions. Regardless, the CAP does recommend some actions including encourage the development of solar photovoltaic systems on residential and non-residential development, increase energy efficiency 5 percent over 2016 standards, increase the use of high efficiency lighting, and reduce the intensity of GHG emissions associated with water delivery and treatment.

## **EXISTING CONDITIONS**

SCAQMD considers a sensitive receptor to be a person in the population who is particularly susceptible to health effects due to exposure to an air contaminant. Sensitive receptors are identified near sources of air pollution to determine the potential for health hazards. Locations evaluated for exposure to air pollution include but are not limited to residences, schools, hospitals, and convalescent facilities.

The Project site is vacant and undeveloped, predominantly surrounded by a mix of commercial and industrial uses to the west, north, and east. Agricultural uses are located to the south across Citrus Avenue. The following includes the nearest sensitive receptors to the Project site:

- Single-family residences to the north along Park Avenue
- Loma Linda University Behavioral Medicine to the north along Park Avenue
- Barbara Phelps Community School to the north along Park Avenue
- Groves High School to the south along Nevada Street
- The Grove at Villa Valencia (multi-family residences) to the south along Alabama Street
- The Seventh-Day Adventist Church to the west along New Jersey Street

**Figure 3: Sensitive Receptor Map** provides a detailed image of the proximal land uses and identifies the sensitive receptors closest to the Project site. These uses represent the nearest sensitive receptors who may be impacted by emissions of air pollutants due to the Project.

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<sup>24</sup> City of Redlands, Climate Action Plan, [https://www.cityofredlands.org/sites/main/files/file-attachments/final\\_redlands\\_cap\\_with\\_appendices\\_011718.pdf?1554321276](https://www.cityofredlands.org/sites/main/files/file-attachments/final_redlands_cap_with_appendices_011718.pdf?1554321276). Accessed May 2022.





SOURCE: Google Earth - 2022

FIGURE 10



## METHODOLOGY

### Air Quality

#### *Construction*

Construction of the Project's new building has the potential to generate temporary criteria pollutant emissions through the use of heavy-duty construction equipment and through vehicle trips generated from workers traveling to and from the Project site. Mobile-source emissions, primarily NO<sub>x</sub>, would result from the use of construction equipment, such as dozers and loaders. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of construction activity, and prevailing weather conditions. The assessment of construction air quality impacts considers each of these potential sources.

Daily regional emissions during construction are forecasted by assuming a conservative estimate of construction activities (i.e., assuming all construction occurs at the earliest feasible date) and applying the mobile source and fugitive dust emissions factors. The Project would be required comply with SCAQMD Rule 403, which identifies measures to reduce fugitive dust and is required to be implemented at all construction sites located with SCAB. Therefore, the following condition—which would be required to reduce fugitive dust in compliance with SCAQMD Rule 403:

- **Control Efficiency of PM<sub>10</sub>.** During construction, methods and techniques should be applied to various operations or equipment when appropriate to reduce estimated emissions related to particulate matter. This includes replacing ground cover in disturbed areas as quick as possible, yielding to emission reduction efficiency of 15 - 49 percent.<sup>25</sup>

In addition, SCAQMD Staff recommends that the Lead Agency require the use of Tier 4 construction equipment of 50 horsepower or greater during construction. Alternative, applicable strategies include equipment outfitted with Best Available Control Technology (BACT) devices and CARB certified Level 3 Diesel Particulate Filters (DPF). Level 3 DPFs are capable of achieving at least an 85 percent reduction in particulate matter emissions.<sup>26</sup>

The emissions are estimated using the CalEEMod (Version 2020.4.0) software, an emissions inventory software program recommended by SCAQMD. It is important to note, the California Air Pollution Control Officers Association released Version 2022.1 of the CalEEMod model in April 2022, which takes into account the latest Title 24 building and energy standards. However, this latest update is considered a soft release and has not been officially adopted by lead agencies, as the web-based platform continues to be updated. Therefore, Version 2020.4.0 was used for purposes of this analysis to assume a worst-case assessment as the model takes into account previous building and energy standards. CalEEMod is based

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25 SCAQMD, CEQA Handbook, Tables 11-4, p. 11-15 and A11-9-A, page A11-77, <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-sample-construction-scenario-report.pdf>. Accessed May 2022.

26 California Air Resources Board, Verification Procedure: Stationary, <https://ww2.arb.ca.gov/our-work/programs/verification-procedure-warranty-and-use-compliance-requirements-use-strategies-4>. Accessed May 2022.

on outputs from the CARB off-road emissions model (OFFROAD) and the CARB on-road vehicle emissions model (EMFAC), which are emissions estimation models developed by CARB and used to calculate emissions from construction activities, including on- and off-road vehicles.

The input values used in this analysis are based on conservative assumptions in CalEEMod, with appropriate, Project-specific adjustments based on equipment types and expected construction activities. These values were then applied to the construction phasing assumptions used in the criteria pollutant analysis to generate criteria pollutant emissions values for each construction activity. Detailed construction equipment lists, construction scheduling, and emissions calculations are provided in **Appendix A**.

## ***Operation***

Operation of the Project has the potential to generate criteria pollutant emissions through vehicle trips traveling to and from the Project site. In addition, emissions would result from area sources on site, such as natural gas combustion, landscaping equipment, and use of consumer products.

Area-source emissions are based on natural gas (building heating and water heaters), landscaping equipment, and consumer product (including paint) usage rates provided in CalEEMod. Natural gas usage factors in CalEEMod are based on the California Energy Commission's California Commercial End Use Survey data set, which provides energy demand by building type and climate zone.

Operational emissions were estimated using the CalEEMod software, which was used to forecast the daily regional emissions from area sources that would occur during long-term Project operations. In calculating mobile-source emissions, trip-length values were based on the distances provided in CalEEMod. According to the Traffic Analysis (dated May 2022), the Project is anticipated to generate a net total of approximately 436 two-way trips per day (336 passenger cars and 100 trucks),<sup>27</sup> as shown in **Table 8: Project Trip Generation Summary**. In relation to passenger car equivalent (PCE) for the 436 two-way trips, factors can be applied for trucks (2-axles, 3-axles, 4+ axles) to allow the typical "real-world" mix of vehicle types to be represented as a single, standardized unit, such as the passenger car. As such, the Project is anticipated to generate 588 total trips (PCE).<sup>28</sup> However, for purposes of this analysis, 436 two-way trips per day were modeled into CalEEMod. As shown in **Table 8** below, the general light industrial land use generates 182 daily trips, of which 1 percent is from 2-axle trucks, 1 percent from 3-axle trucks, and 3 percent from 4+ axle trucks. Approximately 95 percent of the trips are generated by passenger cars. Additionally, the warehousing land use generates 254 daily trips, of which 6 percent are from 2-axle trucks, 7 percent are from 3-axle trucks and 22 percent are from 4+ axle trucks. Approximately 65 percent of the trips are generated by passenger cars. The fleet mix was adjusted in the CalEEMod model to reflect trips associated with each land use.

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<sup>27</sup> Urban Crossroads, LBA Redlands Traffic Analysis (dated May 13, 2022), Table 4-2: Project Trip Generation Summary (Actual Vehicles).

<sup>28</sup> 100 trucks = 252 PCE. Therefore 336 + 252 = 588 total trips (PCE).

**TABLE 8  
PROJECT TRIP GENERATION SUMMARY**

Actual Vehicles	AM Peak Hour Total	PM Peak Hour Total	Daily
<b><i>General Light Industrial</i></b>			
Passenger Cars	27	23	172
2-axle Trucks	0	0	2
3-axle Trucks	0	0	2
4+ axle Trucks	0	0	6
Subtotal Truck Trips	0	0	10
<i>Subtotal Trips</i>	<i>27</i>	<i>23</i>	<i>182</i>
<b><i>Warehousing</i></b>			
Passenger Cars	22	22	164
2-axle Trucks	0	0	16
3-axle Trucks	0	0	18
4+ axle Trucks	2	2	56
Subtotal Truck Trips	2	2	90
<i>Subtotal Trips</i>	<i>24</i>	<i>24</i>	<i>254</i>
<i>Total Passenger Cars</i>	<i>49</i>	<i>45</i>	<i>336</i>
<i>Trucks</i>	<i>2</i>	<i>2</i>	<i>100</i>
<b>Project Total Trips (Actual Vehicles)</b>	<b>51</b>	<b>47</b>	<b>436</b>

*Source: Urban Crossroads, LBA Redlands Traffic Analysis (dated May 13, 2022), Table 4-2: Project Trip Generation Summary (Actual Vehicles)*

## **Health Risk Assessment**

The methodologies and assumptions used for the HRA analysis are consistent with the guidance recommended by the SCAQMD’s *Supplemental Guidelines for Preparing Risk Assessments for Air Toxics “Hot Spots” Information and Assessment Act (ARB2588)*<sup>29</sup> and the California Environmental Protection Agency’s Office of Environmental Health Hazard Assessment (OEHHA) Air Toxic Hot Spots Program Risk Assessment Guidelines.<sup>30</sup> The methodology used in this assessment uses a dose-response assessment to characterize risk from cancer due to inhaled toxic air contaminants (TACs) and the assessment of acute and chronic noncancer from diesel particulate matter (DPM). Based on the OEHHA guidance, the evaluation of potential health risks uses the following standard four-step risk assessment process: (1) Hazard Identification; (2) Exposure Assessment; (3) Dose-Response Assessment; and (4) Risk Characterization.

Air dispersion modeling was conducted using the American Meteorological Society/Environmental Protection Agency Regulator Model (AERMOD v. 10.2.1). This model is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground

<sup>29</sup> SCAQMD, *Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics “Hot Spots” Information and Assessment Act*, July 2018.

<sup>30</sup> OEHHA, *Air Toxic Hot Spots Program Risk Assessment Guidelines*, February 2015.



elevations can exceed the release heights of the emission sources (i.e., complex terrain). AERMOD is the U.S. EPA's regulatory dispersion model specified in the Guideline for Air Quality Methods.<sup>31</sup> AERMOD is recommended for use by the South Coast Air Quality Management District (SCAQMD), which has established its own modeling guidance for the model.<sup>32</sup>

## Greenhouse Gases

The analysis of the Project's GHG emissions consists of a quantitative analysis of the GHG emissions generated by the construction and operation activities and a qualitative analysis of the proposed Project's consistency with adopted GHG-related legislation, plans, and policies. This approach is in accordance with CEQA Guidelines Section 15064.4(a), which affirms the discretion of a lead agency to determine, in the context of a particular project, whether to use quantitative and/or qualitative methodologies to determine the significance of a project's impacts.

### *Emissions Inventory Modeling*

The total GHG emissions from the Project were quantified to determine the level of the Project's estimated annual GHG emissions. As with the Air Quality section calculations, construction emissions were estimated using CalEEMod by assuming a conservative estimate of construction activities (i.e., assuming all construction occurs at the earliest feasible date) and applying the mobile-source emissions factors. The modeling used the same input values as previously discussed under the methodology section for air quality. SCAQMD's *Draft Guidance Document—Interim CEQA Greenhouse Gas (GHG) Significance Threshold*<sup>33</sup> recognizes that construction-related GHG emissions from projects occur over a relatively short-term period of time and contributes a relatively small portion of a project's overall lifetime GHG emissions. The guidance recommends that a project's construction-related GHG emissions be amortized over a 30-year project lifetime so that GHG reduction measures will address construction GHG emissions as part of the operation GHG reduction strategies. Detailed construction equipment lists, construction scheduling, and emissions calculations are provided in **Appendix C**.

CalEEMod was also used to estimate operational GHG emissions from electricity, natural gas, solid waste, water and wastewater, and landscaping equipment. CalEEMod calculates energy use from systems covered by Title 24 (e.g., heating, ventilation, and air conditioning [HVAC] system, water heating system, and lighting system); energy use from lighting; and energy use from office equipment, appliances, plug-ins, and other sources not covered by Title 24 or lighting. Mobile-source emissions were estimated based on the CARB EMFAC model. For mobile sources, CalEEMod was used to generate the vehicle miles traveled from Project operation based on the Project's traffic analysis.<sup>34</sup>

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31 U.S. EPA Code of Federal Regulations, Title 40, Part 51, Appendix W

32 SCAQMD Modeling Guidance for AERMOD, <http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>. Accessed May 2022.

33 SCAQMD, *Draft Guidance Document—Interim CEQA Greenhouse Gas (GHG) Significance Threshold* (October 2008).

34 Urban Crossroads, LBA Redlands Traffic Analysis, May 13, 2022.

With regard to energy demand, the consumption of fossil fuels to generate electricity and to provide heating and hot water generates GHG emissions. Energy demand rates were estimated based on square footage as well as predicted water supply needs for this use. Energy demand (off-site electricity generation and on-site natural gas consumption) for the Project was calculated within CalEEMod using the CEC's CEUS data set, which provides energy demand by building type and climate zone.

Emissions of GHGs from solid waste disposal were also calculated using CalEEMod software. The emissions are based on the waste disposal rate for the land uses, the waste diversion rate, and the GHG emission factors for solid waste decomposition. The GHG emission factors, particularly for methane, depend on characteristics of the landfill, such as the presence of a landfill gas capture system and subsequent flaring or energy recovery. The default values, as provided in CalEEMod, for landfill gas capture (e.g., no capture, flaring, energy recovery), which are Statewide averages, were used in this assessment.

Emissions of GHGs from water and wastewater result from the required energy to supply and distribute the water and treat the wastewater. Wastewater also results in emissions of GHGs from wastewater treatment systems. Emissions are calculated using CalEEMod and are based on the water usage rate for the proposed use; the electrical intensity factors for water supply, treatment, and distribution and for wastewater treatment; the GHG emission factors for the electricity utility provider; and the emission factors for the wastewater treatment process.

## **SIGNIFICANCE THRESHOLDS**

### **Air Quality**

The determination of a project's significance on air quality shall be made considering the factors provided in the SCAQMD *CEQA Air Quality Handbook* (Handbook). The City has not adopted specific Citywide significance thresholds for air quality impacts; rather, the thresholds and methodologies contained in the SCAQMD Handbook for both construction and operational emissions are utilized for evaluating projects in the City. These thresholds are described below.

### ***Regional Emission Thresholds***

SCAQMD has identified thresholds to determine the significance of regional air quality emissions for construction activities and project operation, as shown in **Table 9: Mass Daily Emissions Thresholds**.

**TABLE 9  
MASS DAILY EMISSIONS THRESHOLDS**

Pollutant	Construction	Operation
	Pounds/Day	
Volatile organic compounds (VOCs)	75	55
Nitrogen dioxide (NO <sub>2</sub> )	100	55
Carbon monoxide (CO)	550	550
Sulfur dioxide (SO <sub>2</sub> )	150	150
Respirable particulate matter (PM <sub>10</sub> )	150	150
Fine particulate matter (PM <sub>2.5</sub> )	55	55

### ***Consistency with Applicable Air Quality Plans***

Section 15125 of the State CEQA Guidelines requires an analysis of project consistency with applicable governmental plans and policies. In accordance with the SCAQMD Handbook, the following criteria were used to evaluate the Project’s consistency with SCAQMD and the City’s CAP, including the AQMP:

- Will the Project result in any of the following:
  - Increase the frequency or severity of existing air quality violations?
  - Cause or contribute to new air quality violations?
  - Delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP?
- Will the Project exceed the assumptions utilized in preparing the AQMP?
- Is the Project consistent with the population and employment growth projections upon which AQMP forecasted emission levels are based?
- Does the Project include air quality mitigation measures?
- To what extent is Project development consistent with the AQMP land use policies?

### ***Cumulative Threshold***

SCAQMD recommends that a project be considered to result in a cumulatively considerable impact to air quality if any construction-related emissions and operational emissions from individual development projects exceed the mass daily emissions thresholds for individual projects.<sup>35</sup>

<sup>35</sup> SCAQMD, White Paper on Regulatory Options for Addressing Cumulative Impacts from Air Pollution Emissions, board meeting, Agenda No. 29 (September 5, 2003), Appendix D, p. D-3.

The SCAQMD neither recommends quantified analyses of the emissions generated by a set of cumulative development projects nor provides thresholds of significance to be used to assess the impacts associated with these emissions.

A project is also considered to result in a cumulatively considerable contribution to significant impacts if the population and employment projections for the project exceed the rate of growth defined in SCAQMD's AQMP.

### ***Health Risk Assessment***

The SCAQMD thresholds of significance applied to assess project-level health impacts are the exposure of persons to substantial levels of air toxics resulting in (a) a cancer risk level greater than 10 per one million persons or (b) a noncancerous risk (chronic or acute) hazard index greater than 1. For this threshold, sensitive receptors include residential uses, schools, daycare centers, nursing homes, and medical centers.

### **Greenhouse Gases**

The CAP was prepared pursuant to Section 15183.5(b) of the CEQA Guidelines to be utilized as a tiering document for the General Plan as well as future projects within the City of Redlands that are consistent with the General Plan. The CAP incorporates the guidelines established in CARB's 2017 Scoping Plan. The Scoping Plan was prepared to meet the most current GHG emissions reduction targets set in Executive Order S-3-15 and SB 32 that recommends local governments to develop plans to reduce GHG emissions to 6 MTCO<sub>2e</sub> per capita per year by 2030 and 2 MTCO<sub>2e</sub> per capita per year by 2050. Since the CAP was prepared in coordination with the General Plan that has a horizon year of 2035, the Redlands CAP also provided a year 2035 target of 5 MTCO<sub>2e</sub> per capita per year, which was determined through interpolation of the 2030 and 2050 GHG emissions targets from the 2017 Scoping Plan.

Since the Project is anticipated to be fully operational by 2025, the proposed Project would be considered to create a significant cumulative GHG impact if implementation of the Project would exceed 6 MTCO<sub>2e</sub> per year per service population.

A service population has been developed based on the anticipated number of employees, which was developed from the size of the proposed use. The Project is anticipated to result in the employment of 264 persons based on an average of 1 employee per 700 square feet.

# IMPACT ANALYSIS

## Air Quality

Emissions of air pollutants were estimated for construction and operation of the Project. In California, the California Air Pollution Control Officer’s Association recommends the use CalEEMod to calculate and organize emissions data for new development projects. CalEEMod is a program that relies on project-specific information pertaining to geographic setting, utility service provision, construction scheduling and equipment inventory, and operational design features to generate estimates of air pollutant and GHG emissions. Information needed to parameterize the Project in CalEEMod was obtained from the construction engineer and the Project architect.

**Table 10: Project Construction Schedule** provides the dates and durations of each of the activities that will take place during construction of the new warehouse building, as well as a brief description of the scope of work. Future dates represent approximations based on the general Project timeline and are subject to change pending unpredictable circumstances that may arise.

TABLE 10 PROJECT CONSTRUCTION SCHEDULE				
Construction Activity	Approximate Start Date	Approximate End Date	Duration (Days)	Description
Building Construction	6/1/2023	4/17/2024	230	Construction of 185,100-square foot industrial warehouse building
Paving	3/21/2024	4/17/2024	20	Paving of asphalt surfaces
Architectural Coating <sup>a</sup>	2/21/2024	4/17/2024	41	Application of architectural coatings to building materials

Note: Refer to Appendix A.1 Proposed (Summer) and Appendix A.2 Proposed (Winter), Section 3.0: Construction Detail.

<sup>a</sup> Architectural coating will be taking place intermittently throughout building construction.

### Construction

An assessment of air pollutant emissions was prepared utilizing the construction schedule in **Table 10**. **Table 11: Project Construction Diesel Equipment Inventory** displays the construction equipment required for each activity described in **Table 9**. Under regulatory compliance measures in CalEEMod, construction would be required to adhere to SCAQMD Rule 403 (Fugitive Dust) and Rule 1113 (Architectural Coatings).

**TABLE 11  
PROJECT CONSTRUCTION DIESEL EQUIPMENT INVENTORY**

Phase	Off-Road Equipment Type	Amount	Daily Hours	Horsepower [HP] (Load Factor)
Building Construction	Cranes	1	7	231 (0.29)
	Forklifts	3	8	89 (0.20)
	Generator Sets	1	8	84 (0.74)
	Tractors/Loaders/Backhoes	3	7	97 (0.37)
	Welders	1	8	46 (0.45)
Architectural Coating	Air compressors	1	6	78 (0.48)
Paving	Pavers	2	8	130 (0.42)
	Paving Equipment	2	8	132 (0.36)
	Rollers	2	8	80 (0.38)

Refer to *Appendix A.1 Proposed (Summer)* and *Appendix A.2 Proposed (Winter)*, Section 3.0: Construction Detail, for equipment inventory information

Maximum daily emissions of air pollutants during construction of the Project’s new warehouse building were calculated using CalEEMod. Mobile sources (such as diesel-fueled equipment on-site and vehicles traveling to and from the Project site) would primarily generate NOx emissions. The application of architectural coatings would primarily result in the release of VOC emissions. **Table 12: Maximum Construction Emissions** identifies daily emissions that are estimated for peak construction days for each construction year. It is important to note, emissions presented in **Table 12** do not include regulatory compliance measures such as construction equipment controls (Tier 3 emissions standards with Level 3 DPF per CARB requirements)<sup>36</sup> or control efficiency of PM10 (dust control measures per SCAQMD Rule 403) to provide a worst-case scenario analysis. Based on the modeling, construction of the Project’s new warehouse building would not exceed regional VOC, NOx, CO, SOx, PM10, and PM2.5 concentration thresholds. All criteria air pollutants would be below SCAQMD construction thresholds. Construction of the Project would not generate any significant environmental impacts associated with air quality compliance.

36 California Air Resources Board, Guide to Off-Road Vehicle & Equipment Regulations, website: [https://ww3.arb.ca.gov/msprog/offroadzone/pdfs/offroad\\_booklet.pdf](https://ww3.arb.ca.gov/msprog/offroadzone/pdfs/offroad_booklet.pdf). Accessed May 2022.

**TABLE 12  
MAXIMUM CONSTRUCTION EMISSIONS**

Source	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM10	PM2.5
	pounds/day					
2023	2	16	21	<1	2	1
2024	46	26	38	<1	3	2
Maximum	46	26	38	<1	3	2
SCAQMD Mass Daily Threshold	75	100	550	150	150	55
<b>Threshold exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: CalEEMod.

Notes: CO = carbon monoxide; NO<sub>x</sub> = nitrogen oxides; PM10 = particulate matter less than 10 microns; PM2.5 = particulate matter less than 2.5 microns; SO<sub>x</sub> = sulfur oxides; VOC = volatile organic compounds.

Refer to Appendix A.1 Proposed (Summer) and Appendix A.2 Proposed (Winter), Sections 3.2 through 3.7, for maximum on-site plus off-site emissions during both the summer and winter seasons.

## Operation

As mentioned previously, the Project includes the development of a 181,000 square foot industrial warehouse building with a 4,000 square foot mezzanine for a total building area of 185,100 square feet. Operational emissions would result primarily from vehicles traveling to and from the Project site. The Project would generate a net total of approximately 436 two-way trips per day (336 passenger cars and 100 trucks). The results presented in **Table 13: Maximum Operational Emissions** are compared to the SCAQMD-established operational significance thresholds. As shown in **Table 10**, the operational emissions would not exceed the regional VOC, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM10, and PM2.5 concentration thresholds. Operation of the Project would not generate any significant environmental impacts associated with air quality compliance.

**TABLE 13  
MAXIMUM OPERATIONAL EMISSIONS**

Source	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM10	PM 2.5
	pounds/day					
Area	4	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	1	7	9	<1	4	1
<i>Total</i>	5	7	9	<1	5	1
SCAQMD Mass Daily Threshold	55	55	550	150	150	55
<b>Threshold exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: CalEEMod.

Notes: Totals in table may not appear to add exactly due to rounding in the computer model calculations.

CO = carbon monoxide; NO<sub>x</sub> = nitrogen oxides; PM10 = particulate matter less than 10 microns; PM2.5 = particulate matter less than 2.5 microns; SO<sub>x</sub> = sulfur oxides; VOC = volatile organic compounds.

Refer to Appendix A.1 Proposed (Summer) and Appendix A.2 Proposed (Winter), Section 2.2, for maximum operational emissions during both the summer and winter seasons.



## ***Odors***

Mandatory compliance with SCAQMD Rule 1113 would limit the number of VOCs in architectural coatings and solvents. According to SCAQMD, while almost any source may emit objectionable odors, some land uses are more likely to produce odors because of their operation. Land uses more likely to produce odors include agriculture, chemical plants, composting operations, dairies, fiberglass molding manufacturing, landfills, refineries, rendering plants, rail yards, and wastewater treatment plants. The Project does not contain any active manufacturing activities and would not convert current agricultural land to residential land uses. Therefore, objectionable odors would not be emitted by the proposed uses.

Any unforeseen odors generated by the Project will be controlled in accordance with SCAQMD Rule 402. As previously noted, Rule 402 prohibits the discharge of air contaminants that harm, endanger, or annoy individuals or the public; endanger the comfort, health or safety of individuals or the public; or cause injury or damage to business or property. Failure to comply with Rule 402 could subject the offending facility to possible fines and/or operational limitations in an approved odor control or odor abatement plan.

## ***Consistency with AQMP***

The Basin is designated nonattainment at the federal level for O<sub>3</sub> and PM<sub>2.5</sub> and State level for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. SCAQMD developed regional emissions thresholds, as shown in **Table 9**, to determine whether a project would contribute to air pollutant violations. If a project exceeds the regional air pollutant thresholds, then it would significantly contribute to air quality violations in the Basin.

As shown in **Table 12**, temporary emissions associated with construction of the Project would fall below SCAQMD thresholds for VOCs, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>.

As shown in **Table 13**, long-term emissions associated with operation of the Project would not exceed SCAQMD thresholds for VOCs, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>.

As such, the Project would not significantly contribute to air quality violations in the Basin or conflict with AQMP.

## ***Cumulative***

Development of the Project in conjunction with any related projects near the Project would result in an increase in construction and operational emissions in an already urbanized area of the City. However, cumulative air quality impacts from construction, based on SCAQMD guidelines, are not analyzed in a manner similar to project-specific air quality impacts. Instead, SCAQMD recommends that a project's potential contribution to cumulative impacts should be assessed utilizing the same significance criteria as those for project-specific impacts. According to SCAQMD, individual development projects that generate construction or operational emissions that exceed SCAQMD recommended daily regional or

localized thresholds for project-specific impacts would also cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment.

With the implementation of regulatory compliance measures such as Rule 403 (Fugitive Dust) and Rule 1113 (Architectural Coating), the Project’s construction and operational emissions are not expected to significantly contribute to cumulative emissions for CO, NOx, PM10, and PM2.5. As such, the Project’s contribution to cumulative air quality emissions in combination with any related projects would not be cumulatively considerable.

As discussed previously, the Project would not jeopardize the attainment of air quality standards in the 2016 AQMP for the South Coast Air Basin and the San Bernardino County portion of the South Coast Air Basin. As such, the Project would not have a cumulatively considerable contribution to a potential conflict with or obstruction of the implementation of the AQMP regional reduction plans.

### Health Risk Assessment

As shown in **Table 14: Estimated Inhalation Cancer Risk and Chronic Hazards**, the maximum cancer risk from Project construction emissions for the maximally exposed individual receptor (MEIR) would be 1.4 per ten million persons. Additionally, the chronic health impact would be less than 1 (0.00016) and would be below the Project-level threshold of 1. Thus, the cancer and chronic risk for residential receptors due to construction activities would not be considered significant for all residential receptors due to construction activities.

TABLE 14 ESTIMATED INHALATION CANCER RISK AND CHRONIC HAZARDS							
Receptor	DPM Concentration at Maximum Exposed Receptor (µg/m <sup>3</sup> )	Cancer Risk at Maximum Exposed Receptor (risk/million)	SCAQMD Cancer Risk Significance Threshold (risk/million)	Exceeds Threshold?	Chronic Non-Cancer Hazard Index	SCAQMD Non-Cancer Hazard Index Significance Threshold?	Exceeds Threshold?
Resident MEIR	7.9E-04	1.4E-07	10	No	1.6E-04	1.0	No

Note: See Appendix B for calculations.

### Greenhouse Gas Emissions

The forecasting of construction-related GHG emissions requires assumptions regarding the timing of construction as the emission factors for some of the Project’s construction-related GHG emission sources decline over time. As shown in **Table 14: Construction GHG Emissions**, total construction emissions would be 506 metric tons of CO2e (MTCO2e). One-time, short-term emissions are converted to average annual emissions by amortizing them over the service life of a building. For buildings in general, it is reasonable to look at a 30-year time frame because this is a typical interval before a new building

requires its first major renovation.<sup>37</sup> As shown in Table 15, when amortized over an average 30-year Project lifetime, average annual construction emissions from the Project would be 17 MTCO2e per year.

TABLE 15 CONSTRUCTION GHG EMISSIONS	
Construction Phase	MTCO2e/Year
2023	315
2024	191
<b>Total Construction Emissions</b>	<b>506</b>
<b>30-Year Annual Amortized Rate</b>	<b>17</b>

Refer to Appendix C, Section 2.1 for overall construction emissions.

Notes: GHG = greenhouse gas; MTCO2e = metric tons of carbon dioxide equivalent.

Operation of the Project has the potential to generate GHG emissions through vehicle trips traveling to and from the Project site. In addition, emissions would result from area sources on site, such as natural gas combustion, landscaping equipment, and use of consumer products. Emissions from mobile and area sources and indirect emissions from energy and water use, wastewater, as well as waste management would occur every year after full development of the uses allowed by the Project. Operational Project emissions from area sources, energy sources, mobile sources, solid waste, and water and wastewater conveyance are shown in Table 16: Operational GHG Emissions below. As shown in Table 16, annual operational emissions from the Project would be 1,498 MTCO2e per year. This would result in an efficiency of 5.7 MTCO2e per service population, below the 6.0 MTCO2e per service population threshold used by the City. As such, impacts related to greenhouse gas emissions would not be considered significant.

37 International Energy Agency (IEA), Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings, IEA Information Paper (2008).

**TABLE 16  
OPERATIONAL GHG EMISSIONS**

Source	Unmitigated MTCO <sub>2</sub> e per year
Construction (amortized)	17
Area	<1
Energy	260
Mobile	935
Waste	93
Water	193
<b>Total</b>	<b>1,498</b>
Service Population	264
Project Efficiency	5.7
<b>Exceeds 6.0 MTCO<sub>2</sub>e Efficiency Threshold?</b>	<b>No</b>

*Refer to Appendix C, Section 2.2 for maximum annual operation emissions.  
Abbreviation: MTCO<sub>2</sub>e = metric tons of carbon dioxide emissions.*

## Conflict with Applicable Greenhouse Gas Reduction Plans, Policies, or Regulations

There are no federal, State, or local quantitative adopted thresholds of significance for addressing a project’s GHG emissions. In the absence of any adopted, numeric threshold, this analysis evaluates the significance of a project by considering whether the project conflicts with applicable regulations or requirements adopted to implement a Statewide, regional, or local plan for the reduction of mitigation of greenhouse gas emissions. The following analysis describes the extent the Project complies with the regulations and policies outlined in the City’s CAP.

### ***Consistency with the City’s General Plan and CAP***

As discussed previously, Chapter 8 (Sustainable Community) of the General Plan contains several GHG-related policies. Moreover, the CAP has been prepared concurrently with the City’s General Plan which includes strategies such as transit-oriented and mixed-use development, integrated transportation and land use planning, promotion of bicycle and pedestrian movements, and parking and transportation demand management. It also includes goals and policies to promote energy efficiency, waste reduction, and resource conservation and recycling.

The City’s CAP contains an inventory of the City’s GHG emissions, forecast of GHG emissions through 2035, offers monitoring and reporting processes to ensure targets are met, and provides options for reducing GHG emissions beyond State requirements. The proposed Project is required to comply with Title 13-Section 2449 of the CCR and the CalRecycle Sustainable (Green) Building Program regulations, which include implementation of standard control measures for equipment emissions. Adherence to these regulations, including the implementation of Best Available Control Measures (BACMs) is a standard requirement for any construction or ground-disturbance activity occurring within the Basin.

BACMs include, but are not limited to, requirements that the project proponent utilize only low sulfur fuel (i.e., having a sulfur content of 15 ppm by weight or less); ensure off-road vehicles (i.e., self-propelled diesel fueled vehicles 25 horsepower and up that were not designed to be driven on road) limit vehicle idling to five minutes or less; register and label vehicles in accordance with the ARB Diesel Off-Road Online Reporting System; restrict the inclusion of older vehicles into fleets; and retire, replace, or repower older engines or install Verified Diesel Emission Control Strategies (i.e. exhaust retrofits). Additionally, the construction contractor will recycle/reuse at least 50 percent of the construction material (including, but not limited to, proposed aggregate base, soil, mulch, vegetation, concrete, lumber, metal, and cardboard) and use “Green Building Materials,” such as those materials that are rapidly renewable or resource efficient, and recycled and manufactured in an environmentally friendly way, for at least 10 percent of the project, in accordance with CalRecycle regulations.

Long-term operational emissions typically include emissions from use of consumer products, energy and water usage, vehicles and residential land use emissions.

The Project is committed to meeting the requirements of the CALGreen Code by incorporating strategies such as low-flow toilets, low-flow faucets and other energy and resource conservation measures. The Project would comply with applicable energy, water, and waste efficiency measures specified in the Title 24 Building Energy Efficiency Standards and CALGreen standards. As discussed previously, the Project would be located within an urban area with existing pedestrian, bicycle, and transit facilities. These features would serve to reduce VMTs and consumption of fossil fuels. As such, the Project would be consistent with the policies mentioned in the City’s General Plan and CAP.

## **Cumulative Impacts**

To achieve Statewide goals, CARB is in the process of establishing and implementing regulations to reduce Statewide GHG emissions. Currently, there is no generally accepted methodology that exists to determine whether GHG emissions associated with a specific project represent new emissions or existing and/or displaced emissions. Therefore, consistent with CEQA Guidelines Section 15064h(3), this analysis has determined that the Project’s contribution to cumulative GHG emission and global climate change would be less than significant if the Project is consistent with the applicable regulatory plans and polices to reduce GHG emissions. Accordingly, the analysis above considered the potential for the Project to contribute to the cumulative impact of global climate change. As stated above, with compliance of regulatory measures and implementation of CALGreen Building Standards, the Project would not conflict with applicable plans including the City’s General Plan and CAP. As such, cumulative impacts would not be considered significant during construction and operation.

## **CERTIFICATION**

The contents of this Air Quality, Greenhouse Gas and Health Risk Assessment Study represent an accurate depiction of the noise environment and impacts associated with the proposed LBA Redlands Warehouse Project. The information contained in this noise study is based on the best available information at the time of preparation. If you have any questions, please contact me directly at (818) 415-7274.

**Christ Kirikian**

**Principal | Director of Air Quality & Acoustics**

ckirikian@meridianconsultantsllc.com



**APPENDIX A**

**CalEEMod Air Quality Emission Output Files**





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**Appendix A.1**

**Proposed Summer**

350 Iowa Street Warehouse - San Bernardino-South Coast County, Summer

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

**350 Iowa Street Warehouse  
San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.02	1000sqft	0.85	37,020.00	0
Unrefrigerated Warehouse-No Rail	148.08	1000sqft	3.40	148,080.00	0
Parking Lot	231.00	Space	2.08	92,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	531.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Based on 2019 Reported Factors

Land Use - Gross Lot Area = 411,087 sq. ft.  
Land usage based on TA dated May 13, 2022

Construction Phase - Vacant site with zero removals.

Vehicle Trips - Daily trips for each land use per TA dated May 13, 2022.

Construction Off-road Equipment Mitigation - Rule 403 - Fugitive Dust Standard Control Measures

Area Mitigation -

Water Mitigation -

Fleet Mix - Based on Project Trip Generation Summary.

Medium Truck is a truck with 2 axles

Heavy Truck is a truck with 3 or more axles

## 350 Iowa Street Warehouse - San Bernardino-South Coast County, Summer

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

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	41.00
tblFleetMix	HHD	0.02	0.03
tblFleetMix	HHD	0.02	0.22
tblFleetMix	LDA	0.54	0.95
tblFleetMix	LDA	0.54	0.65
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.01
tblFleetMix	LHD1	0.03	0.06
tblFleetMix	LHD2	7.0090e-003	0.00
tblFleetMix	LHD2	7.0090e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	4.6060e-003	0.00
tblFleetMix	MH	4.6060e-003	0.00
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.07
tblFleetMix	OBUS	5.5200e-004	0.00
tblFleetMix	OBUS	5.5200e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	UBUS	2.4800e-004	0.00

350 Iowa Street Warehouse - San Bernardino-South Coast County, Summer

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

tblFleetMix	UBUS	2.4800e-004	0.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	531.98
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	4.92
tblVehicleTrips	ST_TR	1.74	1.72
tblVehicleTrips	SU_TR	5.00	4.92
tblVehicleTrips	SU_TR	1.74	1.72
tblVehicleTrips	WD_TR	4.96	4.92
tblVehicleTrips	WD_TR	1.74	1.72

**2.0 Emissions Summary**

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350 Iowa Street Warehouse - San Bernardino-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	2.0826	16.2392	21.3066	0.0467	1.5961	0.7180	2.3141	0.4299	0.6757	1.1055	0.0000	4,599.3849	4,599.3849	0.6590	0.1556	4,662.2409
2024	46.0043	26.1039	38.6735	0.0757	2.0208	1.1626	3.1835	0.5425	1.0876	1.6301	0.0000	7,414.7579	7,414.7579	1.3903	0.1603	7,497.2784
<b>Maximum</b>	<b>46.0043</b>	<b>26.1039</b>	<b>38.6735</b>	<b>0.0757</b>	<b>2.0208</b>	<b>1.1626</b>	<b>3.1835</b>	<b>0.5425</b>	<b>1.0876</b>	<b>1.6301</b>	<b>0.0000</b>	<b>7,414.7579</b>	<b>7,414.7579</b>	<b>1.3903</b>	<b>0.1603</b>	<b>7,497.2784</b>

**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	2.0826	16.2392	21.3066	0.0467	1.5961	0.7180	2.3141	0.4299	0.6757	1.1055	0.0000	4,599.3849	4,599.3849	0.6590	0.1556	4,662.2409
2024	46.0043	26.1039	38.6735	0.0757	2.0208	1.1626	3.1835	0.5425	1.0876	1.6301	0.0000	7,414.7579	7,414.7579	1.3903	0.1603	7,497.2784
<b>Maximum</b>	<b>46.0043</b>	<b>26.1039</b>	<b>38.6735</b>	<b>0.0757</b>	<b>2.0208</b>	<b>1.1626</b>	<b>3.1835</b>	<b>0.5425</b>	<b>1.0876</b>	<b>1.6301</b>	<b>0.0000</b>	<b>7,414.7579</b>	<b>7,414.7579</b>	<b>1.3903</b>	<b>0.1603</b>	<b>7,497.2784</b>



350 Iowa Street Warehouse - San Bernardino-South Coast County, Summer

**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	4.1788	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
Energy	0.0442	0.4014	0.3372	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.7075	481.7075	9.2300e-003	8.8300e-003	484.5700
Mobile	0.5767	6.2187	9.6834	0.0546	4.4117	0.0668	4.4785	1.1872	0.0634	1.2507		5,715.7819	5,715.7819	0.1467	0.5163	5,873.3128
<b>Total</b>	<b>4.7996</b>	<b>6.6205</b>	<b>10.0629</b>	<b>0.0570</b>	<b>4.4117</b>	<b>0.0975</b>	<b>4.5091</b>	<b>1.1872</b>	<b>0.0941</b>	<b>1.2813</b>		<b>6,197.5805</b>	<b>6,197.5805</b>	<b>0.1561</b>	<b>0.5252</b>	<b>6,357.9798</b>

**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	4.1788	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
Energy	0.0442	0.4014	0.3372	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.7075	481.7075	9.2300e-003	8.8300e-003	484.5700
Mobile	0.5767	6.2187	9.6834	0.0546	4.4117	0.0668	4.4785	1.1872	0.0634	1.2507		5,715.7819	5,715.7819	0.1467	0.5163	5,873.3128
<b>Total</b>	<b>4.7996</b>	<b>6.6205</b>	<b>10.0629</b>	<b>0.0570</b>	<b>4.4117</b>	<b>0.0975</b>	<b>4.5091</b>	<b>1.1872</b>	<b>0.0941</b>	<b>1.2813</b>		<b>6,197.5805</b>	<b>6,197.5805</b>	<b>0.1561</b>	<b>0.5252</b>	<b>6,357.9798</b>



350 Iowa Street Warehouse - San Bernardino-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
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	Building Construction	Building Construction	6/1/2023	4/17/2024	5	230	
2	Architectural Coating	Architectural Coating	2/21/2024	4/17/2024	5	41	
3	Paving	Paving	3/21/2024	4/17/2024	5	20	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 2.08**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 277,650; Non-Residential Outdoor: 92,550; Striped Parking Area: 5,544 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	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	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

350 Iowa Street Warehouse - San Bernardino-South Coast County, Summer

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

Paving	Rollers	2	8.00	80	0.38
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**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
Building Construction	9	117.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	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

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

350 Iowa Street Warehouse - San Bernardino-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 Building Construction - 2023**

**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	0.0527	1.5784	0.6623	8.0500e-003	0.2883	0.0119	0.3002	0.0830	0.0114	0.0944		863.6318	863.6318	0.0226	0.1275	902.2015
Worker	0.4572	0.2759	4.4003	0.0117	1.3078	6.4400e-003	1.3142	0.3468	5.9300e-003	0.3528		1,180.5432	1,180.5432	0.0286	0.0281	1,189.6334
<b>Total</b>	<b>0.5099</b>	<b>1.8543</b>	<b>5.0626</b>	<b>0.0197</b>	<b>1.5961</b>	<b>0.0183</b>	<b>1.6144</b>	<b>0.4299</b>	<b>0.0173</b>	<b>0.4471</b>		<b>2,044.1750</b>	<b>2,044.1750</b>	<b>0.0511</b>	<b>0.1556</b>	<b>2,091.8348</b>

**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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

350 Iowa Street Warehouse - San Bernardino-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 Building Construction - 2023**

**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	0.0527	1.5784	0.6623	8.0500e-003	0.2883	0.0119	0.3002	0.0830	0.0114	0.0944		863.6318	863.6318	0.0226	0.1275	902.2015
Worker	0.4572	0.2759	4.4003	0.0117	1.3078	6.4400e-003	1.3142	0.3468	5.9300e-003	0.3528		1,180.5432	1,180.5432	0.0286	0.0281	1,189.6334
<b>Total</b>	<b>0.5099</b>	<b>1.8543</b>	<b>5.0626</b>	<b>0.0197</b>	<b>1.5961</b>	<b>0.0183</b>	<b>1.6144</b>	<b>0.4299</b>	<b>0.0173</b>	<b>0.4471</b>		<b>2,044.1750</b>	<b>2,044.1750</b>	<b>0.0511</b>	<b>0.1556</b>	<b>2,091.8348</b>

**3.2 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

350 Iowa Street Warehouse - San Bernardino-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 Building Construction - 2024**

**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	0.0515	1.5924	0.6513	7.9400e-003	0.2883	0.0117	0.3000	0.0830	0.0112	0.0942		851.7347	851.7347	0.0219	0.1258	889.7588
Worker	0.4246	0.2448	4.0908	0.0113	1.3078	6.1800e-003	1.3140	0.3468	5.6900e-003	0.3525		1,146.0936	1,146.0936	0.0258	0.0261	1,154.5042
<b>Total</b>	<b>0.4760</b>	<b>1.8372</b>	<b>4.7421</b>	<b>0.0193</b>	<b>1.5961</b>	<b>0.0179</b>	<b>1.6139</b>	<b>0.4299</b>	<b>0.0169</b>	<b>0.4467</b>		<b>1,997.8282</b>	<b>1,997.8282</b>	<b>0.0477</b>	<b>0.1518</b>	<b>2,044.2630</b>

**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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

350 Iowa Street Warehouse - San Bernardino-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 Building Construction - 2024**

**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	0.0515	1.5924	0.6513	7.9400e-003	0.2883	0.0117	0.3000	0.0830	0.0112	0.0942		851.7347	851.7347	0.0219	0.1258	889.7588
Worker	0.4246	0.2448	4.0908	0.0113	1.3078	6.1800e-003	1.3140	0.3468	5.6900e-003	0.3525		1,146.0936	1,146.0936	0.0258	0.0261	1,154.5042
<b>Total</b>	<b>0.4760</b>	<b>1.8372</b>	<b>4.7421</b>	<b>0.0193</b>	<b>1.5961</b>	<b>0.0179</b>	<b>1.6139</b>	<b>0.4299</b>	<b>0.0169</b>	<b>0.4467</b>		<b>1,997.8282</b>	<b>1,997.8282</b>	<b>0.0477</b>	<b>0.1518</b>	<b>2,044.2630</b>

**3.3 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	42.4774					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>42.6582</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

350 Iowa Street Warehouse - San Bernardino-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 Architectural Coating - 2024**

**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	0.0835	0.0481	0.8042	2.2300e-003	0.2571	1.2100e-003	0.2583	0.0682	1.1200e-003	0.0693		225.3004	225.3004	5.0800e-003	5.1200e-003	226.9538
<b>Total</b>	<b>0.0835</b>	<b>0.0481</b>	<b>0.8042</b>	<b>2.2300e-003</b>	<b>0.2571</b>	<b>1.2100e-003</b>	<b>0.2583</b>	<b>0.0682</b>	<b>1.1200e-003</b>	<b>0.0693</b>		<b>225.3004</b>	<b>225.3004</b>	<b>5.0800e-003</b>	<b>5.1200e-003</b>	<b>226.9538</b>

**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	42.4774					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>42.6582</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

350 Iowa Street Warehouse - San Bernardino-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 Architectural Coating - 2024**

**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	0.0835	0.0481	0.8042	2.2300e-003	0.2571	1.2100e-003	0.2583	0.0682	1.1200e-003	0.0693		225.3004	225.3004	5.0800e-003	5.1200e-003	226.9538
<b>Total</b>	<b>0.0835</b>	<b>0.0481</b>	<b>0.8042</b>	<b>2.2300e-003</b>	<b>0.2571</b>	<b>1.2100e-003</b>	<b>0.2583</b>	<b>0.0682</b>	<b>1.1200e-003</b>	<b>0.0693</b>		<b>225.3004</b>	<b>225.3004</b>	<b>5.0800e-003</b>	<b>5.1200e-003</b>	<b>226.9538</b>

**3.4 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	0.2725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2606</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.5472</b>	<b>2,207.5472</b>	<b>0.7140</b>		<b>2,225.3963</b>



350 Iowa Street Warehouse - San Bernardino-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 Paving - 2024**

**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	0.0544	0.0314	0.5245	1.4500e-003	0.1677	7.9000e-004	0.1685	0.0445	7.3000e-004	0.0452		146.9351	146.9351	3.3100e-003	3.3400e-003	148.0134
<b>Total</b>	<b>0.0544</b>	<b>0.0314</b>	<b>0.5245</b>	<b>1.4500e-003</b>	<b>0.1677</b>	<b>7.9000e-004</b>	<b>0.1685</b>	<b>0.0445</b>	<b>7.3000e-004</b>	<b>0.0452</b>		<b>146.9351</b>	<b>146.9351</b>	<b>3.3100e-003</b>	<b>3.3400e-003</b>	<b>148.0134</b>

**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	0.2725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2606</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.5472</b>	<b>2,207.5472</b>	<b>0.7140</b>		<b>2,225.3963</b>

350 Iowa Street Warehouse - San Bernardino-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 Paving - 2024**

**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	0.0544	0.0314	0.5245	1.4500e-003	0.1677	7.9000e-004	0.1685	0.0445	7.3000e-004	0.0452		146.9351	146.9351	3.3100e-003	3.3400e-003	148.0134
<b>Total</b>	<b>0.0544</b>	<b>0.0314</b>	<b>0.5245</b>	<b>1.4500e-003</b>	<b>0.1677</b>	<b>7.9000e-004</b>	<b>0.1685</b>	<b>0.0445</b>	<b>7.3000e-004</b>	<b>0.0452</b>		<b>146.9351</b>	<b>146.9351</b>	<b>3.3100e-003</b>	<b>3.3400e-003</b>	<b>148.0134</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

350 Iowa Street Warehouse - San Bernardino-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	0.5767	6.2187	9.6834	0.0546	4.4117	0.0668	4.4785	1.1872	0.0634	1.2507		5,715.7819	5,715.7819	0.1467	0.5163	5,873.3128
Unmitigated	0.5767	6.2187	9.6834	0.0546	4.4117	0.0668	4.4785	1.1872	0.0634	1.2507		5,715.7819	5,715.7819	0.1467	0.5163	5,873.3128

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	182.14	182.14	182.14	864,730	864,730
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	254.70	254.70	254.70	1,170,277	1,170,277
<b>Total</b>	<b>436.84</b>	<b>436.84</b>	<b>436.84</b>	<b>2,035,007</b>	<b>2,035,007</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.945000	0.000000	0.000000	0.000000	0.011000	0.000000	0.011000	0.033000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606

350 Iowa Street Warehouse - San Bernardino-South Coast County, Summer

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

Unrefrigerated Warehouse-No Rail	0.650000	0.000000	0.000000	0.000000	0.060000	0.000000	0.070000	0.220000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
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**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	0.0442	0.4014	0.3372	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.7075	481.7075	9.2300e-003	8.8300e-003	484.5700
NaturalGas Unmitigated	0.0442	0.4014	0.3372	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.7075	481.7075	9.2300e-003	8.8300e-003	484.5700

350 Iowa Street Warehouse - San Bernardino-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					
General Light Industry	3279.06	0.0354	0.3215	0.2700	1.9300e-003		0.0244	0.0244		0.0244	0.0244		385.7717	385.7717	7.3900e-003	7.0700e-003	388.0641
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	815.454	8.7900e-003	0.0800	0.0672	4.8000e-004		6.0800e-003	6.0800e-003		6.0800e-003	6.0800e-003		95.9358	95.9358	1.8400e-003	1.7600e-003	96.5059
<b>Total</b>		<b>0.0442</b>	<b>0.4014</b>	<b>0.3372</b>	<b>2.4100e-003</b>		<b>0.0305</b>	<b>0.0305</b>		<b>0.0305</b>	<b>0.0305</b>		<b>481.7075</b>	<b>481.7075</b>	<b>9.2300e-003</b>	<b>8.8300e-003</b>	<b>484.5700</b>

350 Iowa Street Warehouse - San Bernardino-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**

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					
General Light Industry	3.27906	0.0354	0.3215	0.2700	1.9300e-003		0.0244	0.0244		0.0244	0.0244		385.7717	385.7717	7.3900e-003	7.0700e-003	388.0641
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	0.815454	8.7900e-003	0.0800	0.0672	4.8000e-004		6.0800e-003	6.0800e-003		6.0800e-003	6.0800e-003		95.9358	95.9358	1.8400e-003	1.7600e-003	96.5059
<b>Total</b>		<b>0.0442</b>	<b>0.4014</b>	<b>0.3372</b>	<b>2.4100e-003</b>		<b>0.0305</b>	<b>0.0305</b>		<b>0.0305</b>	<b>0.0305</b>		<b>481.7075</b>	<b>481.7075</b>	<b>9.2300e-003</b>	<b>8.8300e-003</b>	<b>484.5700</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

350 Iowa Street Warehouse - San Bernardino-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	4.1788	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
Unmitigated	4.1788	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970

**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	0.4771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-003	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
<b>Total</b>	<b>4.1788</b>	<b>3.8000e-004</b>	<b>0.0424</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>0.0911</b>	<b>0.0911</b>	<b>2.4000e-004</b>		<b>0.0970</b>

350 Iowa Street Warehouse - San Bernardino-South Coast County, Summer

**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	0.4771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-003	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
<b>Total</b>	<b>4.1788</b>	<b>3.8000e-004</b>	<b>0.0424</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>0.0911</b>	<b>0.0911</b>	<b>2.4000e-004</b>		<b>0.0970</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System



350 Iowa Street Warehouse - San Bernardino-South Coast County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**Appendix A.2**

Proposed Winter



350 Iowa Street Warehouse - San Bernardino-South Coast County, Winter

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

**350 Iowa Street Warehouse  
San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.02	1000sqft	0.85	37,020.00	0
Unrefrigerated Warehouse-No Rail	148.08	1000sqft	3.40	148,080.00	0
Parking Lot	231.00	Space	2.08	92,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	531.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Based on 2019 Reported Factors

Land Use - Gross Lot Area = 411,087 sq. ft.  
Land usage based on TA dated May 13, 2022

Construction Phase - Vacant site with zero removals.

Vehicle Trips - Daily trips for each land use per TA dated May 13, 2022.

Construction Off-road Equipment Mitigation - Rule 403 - Fugitive Dust Standard Control Measures

Area Mitigation -

Water Mitigation -

Fleet Mix - Based on Project Trip Generation Summary.

Medium Truck is a truck with 2 axles

Heavy Truck is a truck with 3 or more axles

350 Iowa Street Warehouse - San Bernardino-South Coast County, Winter

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

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	41.00
tblFleetMix	HHD	0.02	0.03
tblFleetMix	HHD	0.02	0.22
tblFleetMix	LDA	0.54	0.95
tblFleetMix	LDA	0.54	0.65
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.01
tblFleetMix	LHD1	0.03	0.06
tblFleetMix	LHD2	7.0090e-003	0.00
tblFleetMix	LHD2	7.0090e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	4.6060e-003	0.00
tblFleetMix	MH	4.6060e-003	0.00
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.07
tblFleetMix	OBUS	5.5200e-004	0.00
tblFleetMix	OBUS	5.5200e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	UBUS	2.4800e-004	0.00

350 Iowa Street Warehouse - San Bernardino-South Coast County, Winter

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

tblFleetMix	UBUS	2.4800e-004	0.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	531.98
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	4.92
tblVehicleTrips	ST_TR	1.74	1.72
tblVehicleTrips	SU_TR	5.00	4.92
tblVehicleTrips	SU_TR	1.74	1.72
tblVehicleTrips	WD_TR	4.96	4.92
tblVehicleTrips	WD_TR	1.74	1.72

**2.0 Emissions Summary**

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350 Iowa Street Warehouse - San Bernardino-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	2.0622	16.3421	20.5484	0.0456	1.5961	0.7181	2.3142	0.4299	0.6758	1.1056	0.0000	4,490.484 4	4,490.484 4	0.6588	0.1569	4,553.724 0
2024	45.9813	26.2098	37.7398	0.0743	2.0208	1.1627	3.1835	0.5425	1.0876	1.6301	0.0000	7,274.391 3	7,274.391 3	1.3902	0.1618	7,357.352 6
<b>Maximum</b>	<b>45.9813</b>	<b>26.2098</b>	<b>37.7398</b>	<b>0.0743</b>	<b>2.0208</b>	<b>1.1627</b>	<b>3.1835</b>	<b>0.5425</b>	<b>1.0876</b>	<b>1.6301</b>	<b>0.0000</b>	<b>7,274.391 3</b>	<b>7,274.391 3</b>	<b>1.3902</b>	<b>0.1618</b>	<b>7,357.352 6</b>

**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	2.0622	16.3421	20.5484	0.0456	1.5961	0.7181	2.3142	0.4299	0.6758	1.1056	0.0000	4,490.484 4	4,490.484 4	0.6588	0.1569	4,553.724 0
2024	45.9813	26.2098	37.7398	0.0743	2.0208	1.1627	3.1835	0.5425	1.0876	1.6301	0.0000	7,274.391 3	7,274.391 3	1.3902	0.1618	7,357.352 6
<b>Maximum</b>	<b>45.9813</b>	<b>26.2098</b>	<b>37.7398</b>	<b>0.0743</b>	<b>2.0208</b>	<b>1.1627</b>	<b>3.1835</b>	<b>0.5425</b>	<b>1.0876</b>	<b>1.6301</b>	<b>0.0000</b>	<b>7,274.391 3</b>	<b>7,274.391 3</b>	<b>1.3902</b>	<b>0.1618</b>	<b>7,357.352 6</b>



350 Iowa Street Warehouse - San Bernardino-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	4.1788	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
Energy	0.0442	0.4014	0.3372	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.7075	481.7075	9.2300e-003	8.8300e-003	484.5700
Mobile	0.5013	6.5584	8.4973	0.0521	4.4117	0.0669	4.4786	1.1872	0.0635	1.2508		5,464.1902	5,464.1902	0.1476	0.5190	5,622.5509
<b>Total</b>	<b>4.7242</b>	<b>6.9602</b>	<b>8.8768</b>	<b>0.0545</b>	<b>4.4117</b>	<b>0.0976</b>	<b>4.5093</b>	<b>1.1872</b>	<b>0.0942</b>	<b>1.2814</b>		<b>5,945.9887</b>	<b>5,945.9887</b>	<b>0.1571</b>	<b>0.5279</b>	<b>6,107.2179</b>

**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	4.1788	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
Energy	0.0442	0.4014	0.3372	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.7075	481.7075	9.2300e-003	8.8300e-003	484.5700
Mobile	0.5013	6.5584	8.4973	0.0521	4.4117	0.0669	4.4786	1.1872	0.0635	1.2508		5,464.1902	5,464.1902	0.1476	0.5190	5,622.5509
<b>Total</b>	<b>4.7242</b>	<b>6.9602</b>	<b>8.8768</b>	<b>0.0545</b>	<b>4.4117</b>	<b>0.0976</b>	<b>4.5093</b>	<b>1.1872</b>	<b>0.0942</b>	<b>1.2814</b>		<b>5,945.9887</b>	<b>5,945.9887</b>	<b>0.1571</b>	<b>0.5279</b>	<b>6,107.2179</b>



350 Iowa Street Warehouse - San Bernardino-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
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	Building Construction	Building Construction	6/1/2023	4/17/2024	5	230	
2	Architectural Coating	Architectural Coating	2/21/2024	4/17/2024	5	41	
3	Paving	Paving	3/21/2024	4/17/2024	5	20	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 2.08**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 277,650; Non-Residential Outdoor: 92,550; Striped Parking Area: 5,544 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	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	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

350 Iowa Street Warehouse - San Bernardino-South Coast County, Winter

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

Paving	Rollers	2	8.00	80	0.38
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**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
Building Construction	9	117.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	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

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

350 Iowa Street Warehouse - San Bernardino-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 Building Construction - 2023**

**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	0.0490	1.6672	0.6828	8.0700e-003	0.2883	0.0119	0.3002	0.0830	0.0114	0.0944		865.7262	865.7262	0.0224	0.1279	904.4094
Worker	0.4404	0.2901	3.6217	0.0106	1.3078	6.4400e-003	1.3142	0.3468	5.9300e-003	0.3528		1,069.5482	1,069.5482	0.0286	0.0290	1,078.9086
<b>Total</b>	<b>0.4894</b>	<b>1.9573</b>	<b>4.3044</b>	<b>0.0187</b>	<b>1.5961</b>	<b>0.0184</b>	<b>1.6144</b>	<b>0.4299</b>	<b>0.0173</b>	<b>0.4472</b>		<b>1,935.2744</b>	<b>1,935.2744</b>	<b>0.0510</b>	<b>0.1569</b>	<b>1,983.3180</b>

**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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

350 Iowa Street Warehouse - San Bernardino-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 Building Construction - 2023**

**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	0.0490	1.6672	0.6828	8.0700e-003	0.2883	0.0119	0.3002	0.0830	0.0114	0.0944		865.7262	865.7262	0.0224	0.1279	904.4094
Worker	0.4404	0.2901	3.6217	0.0106	1.3078	6.4400e-003	1.3142	0.3468	5.9300e-003	0.3528		1,069.5482	1,069.5482	0.0286	0.0290	1,078.9086
<b>Total</b>	<b>0.4894</b>	<b>1.9573</b>	<b>4.3044</b>	<b>0.0187</b>	<b>1.5961</b>	<b>0.0184</b>	<b>1.6144</b>	<b>0.4299</b>	<b>0.0173</b>	<b>0.4472</b>		<b>1,935.2744</b>	<b>1,935.2744</b>	<b>0.0510</b>	<b>0.1569</b>	<b>1,983.3180</b>

**3.2 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

350 Iowa Street Warehouse - San Bernardino-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 Building Construction - 2024**

**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	0.0478	1.6818	0.6716	7.9600e-003	0.2883	0.0117	0.3000	0.0830	0.0112	0.0942		853.8164	853.8164	0.0217	0.1262	891.9513
Worker	0.4100	0.2573	3.3707	0.0103	1.3078	6.1800e-003	1.3140	0.3468	5.6900e-003	0.3525		1,038.5681	1,038.5681	0.0259	0.0269	1,047.2278
<b>Total</b>	<b>0.4578</b>	<b>1.9391</b>	<b>4.0423</b>	<b>0.0182</b>	<b>1.5961</b>	<b>0.0179</b>	<b>1.6140</b>	<b>0.4299</b>	<b>0.0169</b>	<b>0.4468</b>		<b>1,892.3845</b>	<b>1,892.3845</b>	<b>0.0476</b>	<b>0.1530</b>	<b>1,939.1791</b>

**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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

350 Iowa Street Warehouse - San Bernardino-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 Building Construction - 2024**

**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	0.0478	1.6818	0.6716	7.9600e-003	0.2883	0.0117	0.3000	0.0830	0.0112	0.0942		853.8164	853.8164	0.0217	0.1262	891.9513
Worker	0.4100	0.2573	3.3707	0.0103	1.3078	6.1800e-003	1.3140	0.3468	5.6900e-003	0.3525		1,038.5681	1,038.5681	0.0259	0.0269	1,047.2278
<b>Total</b>	<b>0.4578</b>	<b>1.9391</b>	<b>4.0423</b>	<b>0.0182</b>	<b>1.5961</b>	<b>0.0179</b>	<b>1.6140</b>	<b>0.4299</b>	<b>0.0169</b>	<b>0.4468</b>		<b>1,892.3845</b>	<b>1,892.3845</b>	<b>0.0476</b>	<b>0.1530</b>	<b>1,939.1791</b>

**3.3 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	42.4774					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>42.6582</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

350 Iowa Street Warehouse - San Bernardino-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 Architectural Coating - 2024**

**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	0.0806	0.0506	0.6626	2.0200e-003	0.2571	1.2100e-003	0.2583	0.0682	1.1200e-003	0.0693		204.1630	204.1630	5.0900e-003	5.2900e-003	205.8653
<b>Total</b>	<b>0.0806</b>	<b>0.0506</b>	<b>0.6626</b>	<b>2.0200e-003</b>	<b>0.2571</b>	<b>1.2100e-003</b>	<b>0.2583</b>	<b>0.0682</b>	<b>1.1200e-003</b>	<b>0.0693</b>		<b>204.1630</b>	<b>204.1630</b>	<b>5.0900e-003</b>	<b>5.2900e-003</b>	<b>205.8653</b>

**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	42.4774					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>42.6582</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

350 Iowa Street Warehouse - San Bernardino-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 Architectural Coating - 2024**

**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	0.0806	0.0506	0.6626	2.0200e-003	0.2571	1.2100e-003	0.2583	0.0682	1.1200e-003	0.0693		204.1630	204.1630	5.0900e-003	5.2900e-003	205.8653
<b>Total</b>	<b>0.0806</b>	<b>0.0506</b>	<b>0.6626</b>	<b>2.0200e-003</b>	<b>0.2571</b>	<b>1.2100e-003</b>	<b>0.2583</b>	<b>0.0682</b>	<b>1.1200e-003</b>	<b>0.0693</b>		<b>204.1630</b>	<b>204.1630</b>	<b>5.0900e-003</b>	<b>5.2900e-003</b>	<b>205.8653</b>

**3.4 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	0.2725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2606</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.5472</b>	<b>2,207.5472</b>	<b>0.7140</b>		<b>2,225.3963</b>



350 Iowa Street Warehouse - San Bernardino-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 Paving - 2024**

**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	0.0526	0.0330	0.4321	1.3200e-003	0.1677	7.9000e-004	0.1685	0.0445	7.3000e-004	0.0452		133.1498	133.1498	3.3200e-003	3.4500e-003	134.2600
<b>Total</b>	<b>0.0526</b>	<b>0.0330</b>	<b>0.4321</b>	<b>1.3200e-003</b>	<b>0.1677</b>	<b>7.9000e-004</b>	<b>0.1685</b>	<b>0.0445</b>	<b>7.3000e-004</b>	<b>0.0452</b>		<b>133.1498</b>	<b>133.1498</b>	<b>3.3200e-003</b>	<b>3.4500e-003</b>	<b>134.2600</b>

**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	0.2725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2606</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.5472</b>	<b>2,207.5472</b>	<b>0.7140</b>		<b>2,225.3963</b>

350 Iowa Street Warehouse - San Bernardino-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 Paving - 2024**

**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	0.0526	0.0330	0.4321	1.3200e-003	0.1677	7.9000e-004	0.1685	0.0445	7.3000e-004	0.0452		133.1498	133.1498	3.3200e-003	3.4500e-003	134.2600
<b>Total</b>	<b>0.0526</b>	<b>0.0330</b>	<b>0.4321</b>	<b>1.3200e-003</b>	<b>0.1677</b>	<b>7.9000e-004</b>	<b>0.1685</b>	<b>0.0445</b>	<b>7.3000e-004</b>	<b>0.0452</b>		<b>133.1498</b>	<b>133.1498</b>	<b>3.3200e-003</b>	<b>3.4500e-003</b>	<b>134.2600</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

350 Iowa Street Warehouse - San Bernardino-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	0.5013	6.5584	8.4973	0.0521	4.4117	0.0669	4.4786	1.1872	0.0635	1.2508		5,464.1902	5,464.1902	0.1476	0.5190	5,622.5509
Unmitigated	0.5013	6.5584	8.4973	0.0521	4.4117	0.0669	4.4786	1.1872	0.0635	1.2508		5,464.1902	5,464.1902	0.1476	0.5190	5,622.5509

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	182.14	182.14	182.14	864,730	864,730
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	254.70	254.70	254.70	1,170,277	1,170,277
<b>Total</b>	<b>436.84</b>	<b>436.84</b>	<b>436.84</b>	<b>2,035,007</b>	<b>2,035,007</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.945000	0.000000	0.000000	0.000000	0.011000	0.000000	0.011000	0.033000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606

350 Iowa Street Warehouse - San Bernardino-South Coast County, Winter

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

Unrefrigerated Warehouse-No Rail	0.650000	0.000000	0.000000	0.000000	0.060000	0.000000	0.070000	0.220000	0.000000	0.000000	0.000000	0.000000	0.000000
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**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	0.0442	0.4014	0.3372	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.7075	481.7075	9.2300e-003	8.8300e-003	484.5700
NaturalGas Unmitigated	0.0442	0.4014	0.3372	2.4100e-003		0.0305	0.0305		0.0305	0.0305		481.7075	481.7075	9.2300e-003	8.8300e-003	484.5700

350 Iowa Street Warehouse - San Bernardino-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					
General Light Industry	3279.06	0.0354	0.3215	0.2700	1.9300e-003		0.0244	0.0244		0.0244	0.0244		385.7717	385.7717	7.3900e-003	7.0700e-003	388.0641
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	815.454	8.7900e-003	0.0800	0.0672	4.8000e-004		6.0800e-003	6.0800e-003		6.0800e-003	6.0800e-003		95.9358	95.9358	1.8400e-003	1.7600e-003	96.5059
<b>Total</b>		<b>0.0442</b>	<b>0.4014</b>	<b>0.3372</b>	<b>2.4100e-003</b>		<b>0.0305</b>	<b>0.0305</b>		<b>0.0305</b>	<b>0.0305</b>		<b>481.7075</b>	<b>481.7075</b>	<b>9.2300e-003</b>	<b>8.8300e-003</b>	<b>484.5700</b>

350 Iowa Street Warehouse - San Bernardino-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**

**Mitigated**

	NaturalGas s 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						
General Light Industry	3.27906	0.0354	0.3215	0.2700	1.9300e- 003		0.0244	0.0244		0.0244	0.0244			385.7717	385.7717	7.3900e- 003	7.0700e- 003	388.0641
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	0.815454	8.7900e- 003	0.0800	0.0672	4.8000e- 004		6.0800e- 003	6.0800e- 003		6.0800e- 003	6.0800e- 003			95.9358	95.9358	1.8400e- 003	1.7600e- 003	96.5059
<b>Total</b>		<b>0.0442</b>	<b>0.4014</b>	<b>0.3372</b>	<b>2.4100e- 003</b>		<b>0.0305</b>	<b>0.0305</b>		<b>0.0305</b>	<b>0.0305</b>			<b>481.7075</b>	<b>481.7075</b>	<b>9.2300e- 003</b>	<b>8.8300e- 003</b>	<b>484.5700</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

350 Iowa Street Warehouse - San Bernardino-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	4.1788	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
Unmitigated	4.1788	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970

**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	0.4771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-003	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
<b>Total</b>	<b>4.1788</b>	<b>3.8000e-004</b>	<b>0.0424</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>0.0911</b>	<b>0.0911</b>	<b>2.4000e-004</b>		<b>0.0970</b>

350 Iowa Street Warehouse - San Bernardino-South Coast County, Winter

**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	0.4771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-003	3.8000e-004	0.0424	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0911	0.0911	2.4000e-004		0.0970
<b>Total</b>	<b>4.1788</b>	<b>3.8000e-004</b>	<b>0.0424</b>	<b>0.0000</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>1.5000e-004</b>	<b>1.5000e-004</b>		<b>0.0911</b>	<b>0.0911</b>	<b>2.4000e-004</b>		<b>0.0970</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System



350 Iowa Street Warehouse - San Bernardino-South Coast County, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

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**APPENDIX B**

**AERMOD Output Sheets**

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 5/20/2022
** File: C:\Users\ckirikian\Documents\LBARedlands\LBARedlands.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
  TITLEONE C:\Users\ckirikian\Documents\LBARedlands\LBARedlands.isc
  MODELOPT DFAULT CONC
  AVERTIME 1 8 24 ANNUAL
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL LBARedlands.err

```

```

CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

LOCATION VOL1	VOLUME	480378.200	3768557.030	370.280
LOCATION VOL2	VOLUME	480398.320	3768557.115	370.950
LOCATION VOL3	VOLUME	480418.432	3768557.129	371.000
LOCATION VOL4	VOLUME	480438.407	3768557.122	371.280
LOCATION VOL5	VOLUME	480458.158	3768557.267	371.910
LOCATION VOL6	VOLUME	480478.222	3768557.360	371.990
LOCATION VOL7	VOLUME	480498.079	3768557.281	372.000
LOCATION VOL8	VOLUME	480378.255	3768537.139	370.280
LOCATION VOL9	VOLUME	480378.246	3768517.034	370.280
LOCATION VOL10	VOLUME	480378.246	3768497.046	370.280
LOCATION VOL11	VOLUME	480378.095	3768477.303	370.270
LOCATION VOL12	VOLUME	480378.248	3768457.172	370.280
LOCATION VOL13	VOLUME	480378.248	3768437.068	370.280
LOCATION VOL14	VOLUME	480378.248	3768416.965	370.280
LOCATION VOL15	VOLUME	480398.379	3768537.010	370.950
LOCATION VOL16	VOLUME	480418.371	3768537.010	371.000
LOCATION VOL17	VOLUME	480438.420	3768537.180	371.280
LOCATION VOL18	VOLUME	480458.242	3768537.123	371.940
LOCATION VOL19	VOLUME	480478.290	3768537.180	372.000
LOCATION VOL20	VOLUME	480498.282	3768537.293	372.000
LOCATION VOL21	VOLUME	480398.386	3768517.089	370.950

LOCATION VOL22	VOLUME	480418.283	3768517.115	371.000
LOCATION VOL23	VOLUME	480438.272	3768517.181	371.280
LOCATION VOL24	VOLUME	480458.329	3768517.181	371.950
LOCATION VOL25	VOLUME	480478.252	3768517.181	372.000
LOCATION VOL26	VOLUME	480498.308	3768517.248	372.000
LOCATION VOL27	VOLUME	480398.252	3768497.201	370.950
LOCATION VOL28	VOLUME	480418.549	3768497.201	371.000
LOCATION VOL29	VOLUME	480438.425	3768497.169	371.280
LOCATION VOL30	VOLUME	480458.259	3768497.169	371.950
LOCATION VOL31	VOLUME	480478.407	3768497.247	372.000
LOCATION VOL32	VOLUME	480498.397	3768497.169	372.000
LOCATION VOL33	VOLUME	480398.338	3768477.143	370.950
LOCATION VOL34	VOLUME	480418.486	3768477.143	371.000
LOCATION VOL35	VOLUME	480438.399	3768477.221	371.280
LOCATION VOL36	VOLUME	480458.233	3768477.064	371.940
LOCATION VOL37	VOLUME	480478.225	3768477.143	372.000
LOCATION VOL38	VOLUME	480498.294	3768477.299	372.000
LOCATION VOL39	VOLUME	480398.338	3768457.096	370.950
LOCATION VOL40	VOLUME	480418.330	3768457.017	371.000
LOCATION VOL41	VOLUME	480438.243	3768457.096	371.280
LOCATION VOL42	VOLUME	480458.235	3768457.174	371.940
LOCATION VOL43	VOLUME	480478.384	3768457.253	372.000
LOCATION VOL44	VOLUME	480498.298	3768457.253	372.000
LOCATION VOL45	VOLUME	480398.270	3768437.011	370.950
LOCATION VOL46	VOLUME	480418.359	3768437.093	371.000
LOCATION VOL47	VOLUME	480438.352	3768437.160	371.280
LOCATION VOL48	VOLUME	480458.278	3768437.227	371.950
LOCATION VOL49	VOLUME	480478.404	3768437.293	372.000
LOCATION VOL50	VOLUME	480498.437	3768437.212	372.000
LOCATION VOL51	VOLUME	480398.478	3768417.013	370.950
LOCATION VOL52	VOLUME	480418.651	3768416.885	371.000
LOCATION VOL53	VOLUME	480438.569	3768416.885	371.290
LOCATION VOL54	VOLUME	480458.487	3768416.757	371.950
LOCATION VOL55	VOLUME	480478.278	3768417.013	372.000
LOCATION VOL56	VOLUME	480498.451	3768417.396	372.000

\*\* Source Parameters \*\*

SRCPARAM VOL1	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL2	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL3	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL4	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL5	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL6	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL7	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL8	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL9	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL10	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL11	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL12	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL13	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL14	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL15	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL16	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL17	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL18	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL19	0.0000264037	5.000	4.644	1.400

SRCPARAM VOL20	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL21	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL22	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL23	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL24	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL25	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL26	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL27	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL28	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL29	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL30	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL31	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL32	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL33	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL34	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL35	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL36	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL37	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL38	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL39	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL40	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL41	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL42	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL43	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL44	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL45	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL46	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL47	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL48	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL49	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL50	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL51	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL52	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL53	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL54	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL55	0.0000264037	5.000	4.644	1.400
SRCPARAM VOL56	0.0000264037	5.000	4.644	1.400

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

\*\* Variable Emission Scenario: "Scenario 1"

\*\* WeekDays:

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

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** WeekDays:
  EMISFACT VOL10    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL10    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL10    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL11    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL12    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL13    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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

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** 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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL14    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL15    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL16    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL17    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** 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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL18      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL19      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 VOL2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL2       HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL2       HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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

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** WeekDays:
  EMISFACT VOL21    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL21    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL21    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 VOL20    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL20    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL20    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 VOL22    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL22    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL22    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL23    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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

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** 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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL24      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL25      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL25      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL25      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL25      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL25      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL25      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL25      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL25      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL25      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL25      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL26      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL26      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL26      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL27      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL27      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL27      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL27      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** Saturday:
  EMISFACT VOL27    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL27    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL27    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL27    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL27    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL27    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL27    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL27    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL28    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL28    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL28    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL29    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL29    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL29    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL3     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** WeekDays:
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL30    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL30    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL30    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL9     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL9     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL9     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 VOL8     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL8     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL8     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 VOL7     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL7     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL7     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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

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** 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 VOL6      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL6      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL6      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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 VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL56     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL56     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL56     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL55     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL55     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL53     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL53     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL53     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL53     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** Saturday:
  EMISFACT VOL53      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL53      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL53      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL53      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL53      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL53      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL53      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL53      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL54      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL54      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL54      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL52      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL52      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL52      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL51      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL51      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL51      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** WeekDays:
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL50      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL50      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL50      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL5      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL5      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL5      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL49      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL49      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL49      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL31      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL31      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** Sunday:
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL31      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL32      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL32      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL32      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL33      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL33      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL33      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL34      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL34      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL34      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL35      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL35      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL35      HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL35      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** Saturday:
  EMISFACT VOL35    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL35    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL35    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL35    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL35    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL35    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL35    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL35    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL36    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL36    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL36    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL37    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL37    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL37    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL38    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL38    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL38    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** WeekDays:
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL39    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL39    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL39    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL40    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL40    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL40    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL4     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL4     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL4     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  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 VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL41    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL41    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** Sunday:
  EMISFACT VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL41    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL42    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL42    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL42    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL43    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL43    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL43    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL44    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL44    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL44    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL45    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL45    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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** Saturday:
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL45    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL46    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL46    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL46    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL47    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL47    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL47    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL48    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL48    HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT VOL48    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

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SRCGROUP ALL

SO FINISHED

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\*\*\*\*\*  
\*\* AERMOD Receptor Pathway  
\*\*\*\*\*  
\*\*  
\*\*

RE STARTING

INCLUDED LBARedlands.rou

RE FINISHED

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\*\*\*\*\*  
\*\* AERMOD Meteorology Pathway  
\*\*\*\*\*  
\*\*  
\*\*

ME STARTING

SURFFILE "..\350 Iowa Street Technical Studies Proposal\AQ\LBA Warehouse\_AERMOD\_051922\MET  
Data\RDL\_D\_V9\_ADJU\RDL\_D\_v9.SFC"  
PROFFILE "..\350 Iowa Street Technical Studies Proposal\AQ\LBA Warehouse\_AERMOD\_051922\MET  
Data\RDL\_D\_V9\_ADJU\RDL\_D\_v9.PFL"  
SURFDATA 3171 2012 RDL\_D 34.06 -117.15  
UAIRDATA 3190 2012  
SITEDATA 99999 2012  
PROFBASE 481.0 METERS

ME FINISHED

\*\*  
\*\*\*\*\*  
\*\* AERMOD Output Pathway  
\*\*\*\*\*  
\*\*  
\*\*

OU STARTING

RECTABLE ALLAVE 1ST  
RECTABLE 1 1ST  
RECTABLE 8 1ST  
RECTABLE 24 1ST

\*\* Auto-Generated Plotfiles  
PLOTFILE 1 ALL 1ST LBARedlands.AD\01H1GALL.PLT 31  
PLOTFILE 8 ALL 1ST LBARedlands.AD\08H1GALL.PLT 32  
PLOTFILE 24 ALL 1ST LBARedlands.AD\24H1GALL.PLT 33  
PLOTFILE ANNUAL ALL LBARedlands.AD\AN00GALL.PLT 34  
SUMMFILE LBARedlands.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 1015 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 1015 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*

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

\*\*\*\*\*

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\ckirikian\Documents\LBARedlands\LBARedlands.isc  
\*\*\* 05/20/22

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 14:10:18

PAGE 1

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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 RURAL Dispersion Only.

\*\*Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

\*\*Other Options Specified:

ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET  
TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: DPM

\*\*Model Calculates 3 Short Term Average(s) of: 1-HR 8-HR 24-HR  
and Calculates ANNUAL Averages

\*\*This Run Includes: 56 Source(s); 1 Source Group(s); and 673 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 56 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 Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)  
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)  
 Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 481.00 ; 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: LBARedlands.err

\*\*File for Summary of Results: LBARedlands.sum

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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
VOL1	0 0.26404E-04	480378.2	3768557.0	370.3	5.00	4.64	1.40	NO	HRDOW
VOL2	0 0.26404E-04	480398.3	3768557.1	370.9	5.00	4.64	1.40	NO	HRDOW
VOL3	0 0.26404E-04	480418.4	3768557.1	371.0	5.00	4.64	1.40	NO	HRDOW
VOL4	0 0.26404E-04	480438.4	3768557.1	371.3	5.00	4.64	1.40	NO	HRDOW
VOL5	0 0.26404E-04	480458.2	3768557.3	371.9	5.00	4.64	1.40	NO	HRDOW
VOL6	0 0.26404E-04	480478.2	3768557.4	372.0	5.00	4.64	1.40	NO	HRDOW
VOL7	0 0.26404E-04	480498.1	3768557.3	372.0	5.00	4.64	1.40	NO	HRDOW
VOL8	0 0.26404E-04	480378.3	3768537.1	370.3	5.00	4.64	1.40	NO	HRDOW
VOL9	0 0.26404E-04	480378.2	3768517.0	370.3	5.00	4.64	1.40	NO	HRDOW

VOL10	0	0.26404E-04	480378.2	3768497.0	370.3	5.00	4.64	1.40	NO	HRDOW
VOL11	0	0.26404E-04	480378.1	3768477.3	370.3	5.00	4.64	1.40	NO	HRDOW
VOL12	0	0.26404E-04	480378.2	3768457.2	370.3	5.00	4.64	1.40	NO	HRDOW
VOL13	0	0.26404E-04	480378.2	3768437.1	370.3	5.00	4.64	1.40	NO	HRDOW
VOL14	0	0.26404E-04	480378.2	3768417.0	370.3	5.00	4.64	1.40	NO	HRDOW
VOL15	0	0.26404E-04	480398.4	3768537.0	370.9	5.00	4.64	1.40	NO	HRDOW
VOL16	0	0.26404E-04	480418.4	3768537.0	371.0	5.00	4.64	1.40	NO	HRDOW
VOL17	0	0.26404E-04	480438.4	3768537.2	371.3	5.00	4.64	1.40	NO	HRDOW
VOL18	0	0.26404E-04	480458.2	3768537.1	371.9	5.00	4.64	1.40	NO	HRDOW
VOL19	0	0.26404E-04	480478.3	3768537.2	372.0	5.00	4.64	1.40	NO	HRDOW
VOL20	0	0.26404E-04	480498.3	3768537.3	372.0	5.00	4.64	1.40	NO	HRDOW
VOL21	0	0.26404E-04	480398.4	3768517.1	370.9	5.00	4.64	1.40	NO	HRDOW
VOL22	0	0.26404E-04	480418.3	3768517.1	371.0	5.00	4.64	1.40	NO	HRDOW
VOL23	0	0.26404E-04	480438.3	3768517.2	371.3	5.00	4.64	1.40	NO	HRDOW
VOL24	0	0.26404E-04	480458.3	3768517.2	371.9	5.00	4.64	1.40	NO	HRDOW
VOL25	0	0.26404E-04	480478.3	3768517.2	372.0	5.00	4.64	1.40	NO	HRDOW
VOL26	0	0.26404E-04	480498.3	3768517.2	372.0	5.00	4.64	1.40	NO	HRDOW
VOL27	0	0.26404E-04	480398.3	3768497.2	370.9	5.00	4.64	1.40	NO	HRDOW
VOL28	0	0.26404E-04	480418.5	3768497.2	371.0	5.00	4.64	1.40	NO	HRDOW
VOL29	0	0.26404E-04	480438.4	3768497.2	371.3	5.00	4.64	1.40	NO	HRDOW
VOL30	0	0.26404E-04	480458.3	3768497.2	371.9	5.00	4.64	1.40	NO	HRDOW
VOL31	0	0.26404E-04	480478.4	3768497.2	372.0	5.00	4.64	1.40	NO	HRDOW
VOL32	0	0.26404E-04	480498.4	3768497.2	372.0	5.00	4.64	1.40	NO	HRDOW
VOL33	0	0.26404E-04	480398.3	3768477.1	370.9	5.00	4.64	1.40	NO	HRDOW
VOL34	0	0.26404E-04	480418.5	3768477.1	371.0	5.00	4.64	1.40	NO	HRDOW
VOL35	0	0.26404E-04	480438.4	3768477.2	371.3	5.00	4.64	1.40	NO	HRDOW
VOL36	0	0.26404E-04	480458.2	3768477.1	371.9	5.00	4.64	1.40	NO	HRDOW
VOL37	0	0.26404E-04	480478.2	3768477.1	372.0	5.00	4.64	1.40	NO	HRDOW
VOL38	0	0.26404E-04	480498.3	3768477.3	372.0	5.00	4.64	1.40	NO	HRDOW
VOL39	0	0.26404E-04	480398.3	3768457.1	370.9	5.00	4.64	1.40	NO	HRDOW
VOL40	0	0.26404E-04	480418.3	3768457.0	371.0	5.00	4.64	1.40	NO	HRDOW

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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

VOL41	0	0.26404E-04	480438.2	3768457.1	371.3	5.00	4.64	1.40	NO	HRDOW
VOL42	0	0.26404E-04	480458.2	3768457.2	371.9	5.00	4.64	1.40	NO	HRDOW
VOL43	0	0.26404E-04	480478.4	3768457.3	372.0	5.00	4.64	1.40	NO	HRDOW
VOL44	0	0.26404E-04	480498.3	3768457.3	372.0	5.00	4.64	1.40	NO	HRDOW
VOL45	0	0.26404E-04	480398.3	3768437.0	370.9	5.00	4.64	1.40	NO	HRDOW
VOL46	0	0.26404E-04	480418.4	3768437.1	371.0	5.00	4.64	1.40	NO	HRDOW
VOL47	0	0.26404E-04	480438.4	3768437.2	371.3	5.00	4.64	1.40	NO	HRDOW
VOL48	0	0.26404E-04	480458.3	3768437.2	371.9	5.00	4.64	1.40	NO	HRDOW
VOL49	0	0.26404E-04	480478.4	3768437.3	372.0	5.00	4.64	1.40	NO	HRDOW
VOL50	0	0.26404E-04	480498.4	3768437.2	372.0	5.00	4.64	1.40	NO	HRDOW



VOL51 0 0.26404E-04 480398.5 3768417.0 370.9 5.00 4.64 1.40 NO HRDOW  
 VOL52 0 0.26404E-04 480418.7 3768416.9 371.0 5.00 4.64 1.40 NO HRDOW  
 VOL53 0 0.26404E-04 480438.6 3768416.9 371.3 5.00 4.64 1.40 NO HRDOW  
 VOL54 0 0.26404E-04 480458.5 3768416.8 371.9 5.00 4.64 1.40 NO HRDOW  
 VOL55 0 0.26404E-04 480478.3 3768417.0 372.0 5.00 4.64 1.40 NO HRDOW  
 VOL56 0 0.26404E-04 480498.5 3768417.4 372.0 5.00 4.64 1.40 NO HRDOW

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

-----

-----

ALL VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 ,  
 VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 ,  
 VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 ,  
 VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL32 ,  
 VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 ,  
 VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 ,  
 VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 , VOL55 , VOL56 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

HRDOW SCALAR HRDOW SCALAR HRDOW SCALAR HRDOW SCALAR HRDOW SCALAR HRDOW SCALAR  
 HRDOW SCALAR HRDOW SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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 HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8 .1000E+01

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :  
HRDOW) \*  
-----  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8  
.1000E+01  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16  
.1000E+01  
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24  
.0000E+00

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

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

file:///C:/Users/ckirikian/Documents/LBARedlands/Report.txt[5/24/2022 11:45:50 AM]

.0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24  
.0000E+00  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

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

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

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

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* 14:10:18

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8 .1000E+01

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

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

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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 HOUR SCALAR

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

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DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

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DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

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DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR

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DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8 .1000E+01

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8 .1000E+01

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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 HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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 .1000E+01 8  
 .1000E+01  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16  
 .1000E+01  
 17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24  
 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL 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 .1000E+01 8  
 .1000E+01  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16  
 .1000E+01  
 17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24  
 .0000E+00

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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 HOUR SCALAR

-----  
DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8 .1000E+01

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL 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 HOUR SCALAR

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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



.0000E+00

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

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

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

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

(HRDOW) \*

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR  
HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

(HRDOW) \*

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR  
HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8 .1000E+01

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :

-----  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

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

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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



.0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24  
.0000E+00  
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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8 .1000E+01

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

-----  
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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



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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8 .1000E+01

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 8 .1000E+01

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

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

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

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

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 479934.3, 3768767.8, 364.5, 364.5, 0.0);	( 479954.3, 3768767.8, 365.0, 365.0, 0.0);
( 479974.3, 3768767.8, 365.0, 365.0, 0.0);	( 479994.3, 3768767.8, 365.5, 365.5, 0.0);
( 480014.3, 3768767.8, 366.0, 366.0, 0.0);	( 480034.3, 3768767.8, 366.0, 366.0, 0.0);
( 480054.3, 3768767.8, 366.0, 366.0, 0.0);	( 480074.3, 3768767.8, 366.1, 366.1, 0.0);
( 480094.3, 3768767.8, 366.8, 366.8, 0.0);	( 480114.3, 3768767.8, 367.0, 367.0, 0.0);
( 480134.3, 3768767.8, 367.0, 367.0, 0.0);	( 480154.3, 3768767.8, 367.0, 367.0, 0.0);
( 480174.3, 3768767.8, 367.5, 367.5, 0.0);	( 480194.3, 3768767.8, 368.0, 368.0, 0.0);
( 480214.3, 3768767.8, 368.0, 368.0, 0.0);	( 480234.3, 3768767.8, 368.5, 368.5, 0.0);
( 480254.3, 3768767.8, 369.0, 369.0, 0.0);	( 480274.3, 3768767.8, 369.0, 369.0, 0.0);
( 480294.3, 3768767.8, 369.0, 369.0, 0.0);	( 480314.3, 3768767.8, 369.2, 369.2, 0.0);
( 479934.3, 3768787.8, 364.5, 364.5, 0.0);	( 479954.3, 3768787.8, 365.0, 365.0, 0.0);
( 479974.3, 3768787.8, 365.0, 365.0, 0.0);	( 479994.3, 3768787.8, 365.5, 365.5, 0.0);
( 480014.3, 3768787.8, 366.0, 366.0, 0.0);	( 480034.3, 3768787.8, 366.0, 366.0, 0.0);
( 480054.3, 3768787.8, 366.0, 366.0, 0.0);	( 480074.3, 3768787.8, 366.0, 366.0, 0.0);
( 480094.3, 3768787.8, 366.2, 366.2, 0.0);	( 480114.3, 3768787.8, 366.6, 366.6, 0.0);
( 480134.3, 3768787.8, 367.0, 367.0, 0.0);	( 480154.3, 3768787.8, 367.0, 367.0, 0.0);
( 480174.3, 3768787.8, 367.5, 367.5, 0.0);	( 480194.3, 3768787.8, 368.0, 368.0, 0.0);
( 480214.3, 3768787.8, 368.0, 368.0, 0.0);	( 480234.3, 3768787.8, 368.1, 368.1, 0.0);
( 480254.3, 3768787.8, 368.4, 368.4, 0.0);	( 480274.3, 3768787.8, 368.9, 368.9, 0.0);
( 480294.3, 3768787.8, 369.0, 369.0, 0.0);	( 480314.3, 3768787.8, 369.2, 369.2, 0.0);
( 479934.3, 3768807.8, 364.5, 364.5, 0.0);	( 479954.3, 3768807.8, 365.0, 365.0, 0.0);
( 479974.3, 3768807.8, 365.0, 365.0, 0.0);	( 479994.3, 3768807.8, 365.3, 365.3, 0.0);
( 480014.3, 3768807.8, 365.7, 365.7, 0.0);	( 480034.3, 3768807.8, 365.9, 365.9, 0.0);
( 480054.3, 3768807.8, 366.0, 366.0, 0.0);	( 480074.3, 3768807.8, 366.0, 366.0, 0.0);
( 480094.3, 3768807.8, 366.0, 366.0, 0.0);	( 480114.3, 3768807.8, 366.5, 366.5, 0.0);
( 480134.3, 3768807.8, 367.0, 367.0, 0.0);	( 480154.3, 3768807.8, 367.0, 367.0, 0.0);
( 480174.3, 3768807.8, 367.5, 367.5, 0.0);	( 480194.3, 3768807.8, 368.0, 368.0, 0.0);
( 480214.3, 3768807.8, 368.0, 368.0, 0.0);	( 480234.3, 3768807.8, 368.0, 368.0, 0.0);
( 480254.3, 3768807.8, 368.2, 368.2, 0.0);	( 480274.3, 3768807.8, 368.8, 368.8, 0.0);
( 480294.3, 3768807.8, 369.0, 369.0, 0.0);	( 480314.3, 3768807.8, 369.2, 369.2, 0.0);
( 479934.3, 3768827.8, 364.5, 364.5, 0.0);	( 479954.3, 3768827.8, 365.0, 365.0, 0.0);
( 479974.3, 3768827.8, 365.0, 365.0, 0.0);	( 479994.3, 3768827.8, 365.0, 365.0, 0.0);
( 480014.3, 3768827.8, 365.1, 365.1, 0.0);	( 480034.3, 3768827.8, 365.8, 365.8, 0.0);
( 480054.3, 3768827.8, 366.0, 366.0, 0.0);	( 480074.3, 3768827.8, 366.0, 366.0, 0.0);
( 480094.3, 3768827.8, 366.0, 366.0, 0.0);	( 480114.3, 3768827.8, 366.5, 366.5, 0.0);
( 480134.3, 3768827.8, 367.0, 367.0, 0.0);	( 480154.3, 3768827.8, 367.0, 367.0, 0.0);

( 480174.3, 3768827.8, 367.5, 367.5, 0.0); ( 480194.3, 3768827.8, 368.0, 368.0, 0.0);  
( 480214.3, 3768827.8, 368.0, 368.0, 0.0); ( 480234.3, 3768827.8, 368.0, 368.0, 0.0);  
( 480254.3, 3768827.8, 368.2, 368.2, 0.0); ( 480274.3, 3768827.8, 368.8, 368.8, 0.0);  
( 480294.3, 3768827.8, 369.0, 369.0, 0.0); ( 480314.3, 3768827.8, 369.2, 369.2, 0.0);  
( 479934.3, 3768847.8, 364.1, 364.1, 0.0); ( 479954.3, 3768847.8, 364.4, 364.4, 0.0);  
( 479974.3, 3768847.8, 364.9, 364.9, 0.0); ( 479994.3, 3768847.8, 365.0, 365.0, 0.0);  
( 480014.3, 3768847.8, 365.0, 365.0, 0.0); ( 480034.3, 3768847.8, 365.2, 365.2, 0.0);  
( 480054.3, 3768847.8, 365.6, 365.6, 0.0); ( 480074.3, 3768847.8, 366.0, 366.0, 0.0);  
( 480094.3, 3768847.8, 366.0, 366.0, 0.0); ( 480114.3, 3768847.8, 366.1, 366.1, 0.0);

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 480134.3, 3768847.8, 366.4, 366.4, 0.0); ( 480154.3, 3768847.8, 366.9, 366.9, 0.0);  
( 480174.3, 3768847.8, 367.5, 367.5, 0.0); ( 480194.3, 3768847.8, 368.0, 368.0, 0.0);  
( 480214.3, 3768847.8, 368.0, 368.0, 0.0); ( 480234.3, 3768847.8, 368.0, 368.0, 0.0);  
( 480254.3, 3768847.8, 368.2, 368.2, 0.0); ( 480274.3, 3768847.8, 368.8, 368.8, 0.0);  
( 480294.3, 3768847.8, 369.0, 369.0, 0.0); ( 480314.3, 3768847.8, 369.2, 369.2, 0.0);  
( 479652.3, 3768393.1, 360.0, 360.0, 0.0); ( 479672.3, 3768393.1, 360.0, 360.0, 0.0);  
( 479692.3, 3768393.1, 360.0, 360.0, 0.0); ( 479712.3, 3768393.1, 360.1, 360.1, 0.0);  
( 479732.3, 3768393.1, 360.4, 360.4, 0.0); ( 479612.3, 3768413.1, 360.0, 360.0, 0.0);  
( 479632.3, 3768413.1, 360.0, 360.0, 0.0); ( 479652.3, 3768413.1, 360.0, 360.0, 0.0);  
( 479672.3, 3768413.1, 360.0, 360.0, 0.0); ( 479692.3, 3768413.1, 360.1, 360.1, 0.0);  
( 479712.3, 3768413.1, 360.3, 360.3, 0.0); ( 479732.3, 3768413.1, 361.0, 361.0, 0.0);  
( 479552.3, 3768433.1, 359.8, 359.8, 0.0); ( 479572.3, 3768433.1, 360.0, 360.0, 0.0);  
( 479592.3, 3768433.1, 360.0, 360.0, 0.0); ( 479612.3, 3768433.1, 360.0, 360.0, 0.0);  
( 479632.3, 3768433.1, 360.0, 360.0, 0.0); ( 479652.3, 3768433.1, 360.0, 360.0, 0.0);  
( 479672.3, 3768433.1, 360.0, 360.0, 0.0); ( 479692.3, 3768433.1, 360.4, 360.4, 0.0);  
( 479712.3, 3768433.1, 361.0, 361.0, 0.0); ( 479732.3, 3768433.1, 361.6, 361.6, 0.0);  
( 479552.3, 3768453.1, 359.9, 359.9, 0.0); ( 479572.3, 3768453.1, 360.0, 360.0, 0.0);  
( 479592.3, 3768453.1, 360.0, 360.0, 0.0); ( 479612.3, 3768453.1, 360.0, 360.0, 0.0);  
( 479632.3, 3768453.1, 360.0, 360.0, 0.0); ( 479652.3, 3768453.1, 360.1, 360.1, 0.0);  
( 479672.3, 3768453.1, 360.4, 360.4, 0.0); ( 479692.3, 3768453.1, 360.7, 360.7, 0.0);  
( 479712.3, 3768453.1, 361.1, 361.1, 0.0); ( 479732.3, 3768453.1, 361.8, 361.8, 0.0);  
( 479949.6, 3767989.8, 366.9, 366.9, 0.0); ( 479969.6, 3767989.8, 366.9, 366.9, 0.0);  
( 479989.6, 3767989.8, 366.9, 366.9, 0.0); ( 480009.6, 3767989.8, 366.9, 366.9, 0.0);  
( 480029.6, 3767989.8, 366.9, 366.9, 0.0); ( 480049.6, 3767989.8, 366.9, 366.9, 0.0);  
( 480069.6, 3767989.8, 366.9, 366.9, 0.0); ( 480089.6, 3767989.8, 366.9, 366.9, 0.0);  
( 480109.6, 3767989.8, 367.2, 367.2, 0.0); ( 480129.6, 3767989.8, 367.8, 367.8, 0.0);  
( 479949.6, 3768009.8, 366.2, 366.2, 0.0); ( 479969.6, 3768009.8, 366.2, 366.2, 0.0);  
( 479989.6, 3768009.8, 366.2, 366.2, 0.0); ( 480009.6, 3768009.8, 366.2, 366.2, 0.0);  
( 480029.6, 3768009.8, 366.2, 366.2, 0.0); ( 480049.6, 3768009.8, 366.2, 366.2, 0.0);  
( 480069.6, 3768009.8, 366.2, 366.2, 0.0); ( 480089.6, 3768009.8, 366.2, 366.2, 0.0);  
( 480109.6, 3768009.8, 366.3, 366.3, 0.0); ( 480129.6, 3768009.8, 366.4, 366.4, 0.0);  
( 479949.6, 3768029.8, 366.0, 366.0, 0.0); ( 479969.6, 3768029.8, 366.0, 366.0, 0.0);  
( 479989.6, 3768029.8, 366.0, 366.0, 0.0); ( 480009.6, 3768029.8, 366.0, 366.0, 0.0);  
( 480029.6, 3768029.8, 366.0, 366.0, 0.0); ( 480049.6, 3768029.8, 366.0, 366.0, 0.0);  
( 480069.6, 3768029.8, 366.0, 366.0, 0.0); ( 480089.6, 3768029.8, 366.0, 366.0, 0.0);  
( 480109.6, 3768029.8, 366.0, 366.0, 0.0); ( 480129.6, 3768029.8, 366.0, 366.0, 0.0);

( 479949.6, 3768049.8, 366.0, 366.0, 0.0); ( 479969.6, 3768049.8, 366.0, 366.0, 0.0);  
( 479989.6, 3768049.8, 366.0, 366.0, 0.0); ( 480009.6, 3768049.8, 366.0, 366.0, 0.0);  
( 480029.6, 3768049.8, 366.0, 366.0, 0.0); ( 480049.6, 3768049.8, 366.0, 366.0, 0.0);  
( 480069.6, 3768049.8, 366.0, 366.0, 0.0); ( 480089.6, 3768049.8, 366.0, 366.0, 0.0);  
( 480109.6, 3768049.8, 366.0, 366.0, 0.0); ( 480129.6, 3768049.8, 366.0, 366.0, 0.0);  
( 479949.6, 3768069.8, 366.0, 366.0, 0.0); ( 479969.6, 3768069.8, 366.0, 366.0, 0.0);  
( 479989.6, 3768069.8, 366.0, 366.0, 0.0); ( 480009.6, 3768069.8, 366.0, 366.0, 0.0);  
( 480029.6, 3768069.8, 366.0, 366.0, 0.0); ( 480049.6, 3768069.8, 366.0, 366.0, 0.0);  
( 480069.6, 3768069.8, 366.0, 366.0, 0.0); ( 480089.6, 3768069.8, 366.0, 366.0, 0.0);

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 480109.6, 3768069.8, 366.0, 366.0, 0.0); ( 480129.6, 3768069.8, 366.0, 366.0, 0.0);  
( 479949.6, 3768089.8, 366.0, 366.0, 0.0); ( 479969.6, 3768089.8, 366.0, 366.0, 0.0);  
( 479989.6, 3768089.8, 366.0, 366.0, 0.0); ( 480009.6, 3768089.8, 366.0, 366.0, 0.0);  
( 480029.6, 3768089.8, 366.0, 366.0, 0.0); ( 480049.6, 3768089.8, 366.0, 366.0, 0.0);  
( 480069.6, 3768089.8, 366.0, 366.0, 0.0); ( 480089.6, 3768089.8, 366.3, 366.3, 0.0);  
( 480109.6, 3768089.8, 366.4, 366.4, 0.0); ( 480129.6, 3768089.8, 366.4, 366.4, 0.0);  
( 479949.6, 3768109.8, 366.0, 366.0, 0.0); ( 479969.6, 3768109.8, 366.0, 366.0, 0.0);  
( 479989.6, 3768109.8, 366.0, 366.0, 0.0); ( 480009.6, 3768109.8, 366.0, 366.0, 0.0);  
( 480029.6, 3768109.8, 366.1, 366.1, 0.0); ( 480049.6, 3768109.8, 366.1, 366.1, 0.0);  
( 480069.6, 3768109.8, 366.1, 366.1, 0.0); ( 480089.6, 3768109.8, 366.7, 366.7, 0.0);  
( 480109.6, 3768109.8, 367.0, 367.0, 0.0); ( 480129.6, 3768109.8, 367.0, 367.0, 0.0);  
( 479949.6, 3768129.8, 366.0, 366.0, 0.0); ( 479969.6, 3768129.8, 366.0, 366.0, 0.0);  
( 479989.6, 3768129.8, 366.0, 366.0, 0.0); ( 480009.6, 3768129.8, 366.0, 366.0, 0.0);  
( 480029.6, 3768129.8, 366.5, 366.5, 0.0); ( 480049.6, 3768129.8, 366.8, 366.8, 0.0);  
( 480069.6, 3768129.8, 366.8, 366.8, 0.0); ( 480089.6, 3768129.8, 366.9, 366.9, 0.0);  
( 480109.6, 3768129.8, 367.0, 367.0, 0.0); ( 480129.6, 3768129.8, 367.0, 367.0, 0.0);  
( 479949.6, 3768149.8, 366.0, 366.0, 0.0); ( 479969.6, 3768149.8, 366.0, 366.0, 0.0);  
( 479989.6, 3768149.8, 366.2, 366.2, 0.0); ( 480009.6, 3768149.8, 366.4, 366.4, 0.0);  
( 480029.6, 3768149.8, 366.8, 366.8, 0.0); ( 480049.6, 3768149.8, 367.0, 367.0, 0.0);  
( 480069.6, 3768149.8, 367.0, 367.0, 0.0); ( 480089.6, 3768149.8, 367.0, 367.0, 0.0);  
( 480109.6, 3768149.8, 367.2, 367.2, 0.0); ( 480129.6, 3768149.8, 367.4, 367.4, 0.0);  
( 479949.6, 3768169.8, 366.0, 366.0, 0.0); ( 479969.6, 3768169.8, 366.0, 366.0, 0.0);  
( 479989.6, 3768169.8, 366.3, 366.3, 0.0); ( 480009.6, 3768169.8, 367.0, 367.0, 0.0);  
( 480029.6, 3768169.8, 367.0, 367.0, 0.0); ( 480049.6, 3768169.8, 367.0, 367.0, 0.0);  
( 480069.6, 3768169.8, 367.0, 367.0, 0.0); ( 480089.6, 3768169.8, 367.1, 367.1, 0.0);  
( 480109.6, 3768169.8, 367.4, 367.4, 0.0); ( 480129.6, 3768169.8, 368.0, 368.0, 0.0);  
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( 480788.7, 3767538.6, 384.9, 384.9, 0.0); ( 480808.7, 3767538.6, 384.3, 384.3, 0.0);  
( 480828.7, 3767538.6, 383.7, 383.7, 0.0); ( 480848.7, 3767538.6, 383.0, 383.0, 0.0);  
( 480868.7, 3767538.6, 383.0, 383.0, 0.0); ( 480888.7, 3767538.6, 383.3, 383.3, 0.0);  
( 480908.7, 3767538.6, 384.0, 384.0, 0.0); ( 480928.7, 3767538.6, 384.1, 384.1, 0.0);  
( 480948.7, 3767538.6, 384.4, 384.4, 0.0); ( 480968.7, 3767538.6, 385.0, 385.0, 0.0);  
( 480988.7, 3767538.6, 385.7, 385.7, 0.0); ( 481008.7, 3767538.6, 386.3, 386.3, 0.0);  
( 481028.7, 3767538.6, 386.9, 386.9, 0.0); ( 481048.7, 3767538.6, 387.6, 387.6, 0.0);  
( 481068.7, 3767538.6, 387.9, 387.9, 0.0); ( 481088.7, 3767538.6, 387.9, 387.9, 0.0);  
( 481108.7, 3767538.6, 387.9, 387.9, 0.0); ( 481128.7, 3767538.6, 387.9, 387.9, 0.0);

( 481148.7, 3767538.6, 387.9, 387.9, 0.0); ( 480748.7, 3767558.6, 384.3, 384.3, 0.0);  
( 480768.7, 3767558.6, 384.3, 384.3, 0.0); ( 480788.7, 3767558.6, 384.3, 384.3, 0.0);  
( 480808.7, 3767558.6, 384.1, 384.1, 0.0); ( 480828.7, 3767558.6, 383.7, 383.7, 0.0);  
( 480848.7, 3767558.6, 383.0, 383.0, 0.0); ( 480868.7, 3767558.6, 383.0, 383.0, 0.0);  
( 480888.7, 3767558.6, 383.3, 383.3, 0.0); ( 480908.7, 3767558.6, 384.0, 384.0, 0.0);  
( 480928.7, 3767558.6, 384.5, 384.5, 0.0); ( 480948.7, 3767558.6, 385.0, 385.0, 0.0);  
( 480968.7, 3767558.6, 385.7, 385.7, 0.0); ( 480988.7, 3767558.6, 385.9, 385.9, 0.0);  
( 481008.7, 3767558.6, 386.1, 386.1, 0.0); ( 481028.7, 3767558.6, 386.2, 386.2, 0.0);  
( 481048.7, 3767558.6, 386.9, 386.9, 0.0); ( 481068.7, 3767558.6, 387.3, 387.3, 0.0);

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\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 481088.7, 3767558.6, 387.3, 387.3, 0.0); ( 481108.7, 3767558.6, 387.3, 387.3, 0.0);  
( 481128.7, 3767558.6, 387.3, 387.3, 0.0); ( 481148.7, 3767558.6, 387.3, 387.3, 0.0);  
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( 480828.7, 3767578.6, 383.7, 383.7, 0.0); ( 480848.7, 3767578.6, 383.0, 383.0, 0.0);  
( 480868.7, 3767578.6, 383.0, 383.0, 0.0); ( 480888.7, 3767578.6, 383.3, 383.3, 0.0);  
( 480908.7, 3767578.6, 384.0, 384.0, 0.0); ( 480928.7, 3767578.6, 384.4, 384.4, 0.0);  
( 480948.7, 3767578.6, 384.9, 384.9, 0.0); ( 480968.7, 3767578.6, 385.6, 385.6, 0.0);  
( 480988.7, 3767578.6, 385.6, 385.6, 0.0); ( 481008.7, 3767578.6, 385.7, 385.7, 0.0);  
( 481028.7, 3767578.6, 386.0, 386.0, 0.0); ( 481048.7, 3767578.6, 386.4, 386.4, 0.0);  
( 481068.7, 3767578.6, 386.6, 386.6, 0.0); ( 481088.7, 3767578.6, 386.6, 386.6, 0.0);  
( 481108.7, 3767578.6, 386.6, 386.6, 0.0); ( 481128.7, 3767578.6, 386.6, 386.6, 0.0);  
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( 480768.7, 3767598.6, 383.9, 383.9, 0.0); ( 480788.7, 3767598.6, 383.9, 383.9, 0.0);  
( 480808.7, 3767598.6, 383.9, 383.9, 0.0); ( 480828.7, 3767598.6, 383.6, 383.6, 0.0);  
( 480848.7, 3767598.6, 383.0, 383.0, 0.0); ( 480868.7, 3767598.6, 382.9, 382.9, 0.0);  
( 480888.7, 3767598.6, 383.2, 383.2, 0.0); ( 480908.7, 3767598.6, 383.9, 383.9, 0.0);  
( 480928.7, 3767598.6, 384.0, 384.0, 0.0); ( 480948.7, 3767598.6, 384.3, 384.3, 0.0);  
( 480968.7, 3767598.6, 384.9, 384.9, 0.0); ( 480988.7, 3767598.6, 385.0, 385.0, 0.0);  
( 481008.7, 3767598.6, 385.3, 385.3, 0.0); ( 481028.7, 3767598.6, 385.9, 385.9, 0.0);  
( 481048.7, 3767598.6, 385.9, 385.9, 0.0); ( 481068.7, 3767598.6, 385.9, 385.9, 0.0);  
( 481088.7, 3767598.6, 385.9, 385.9, 0.0); ( 481108.7, 3767598.6, 385.9, 385.9, 0.0);  
( 481128.7, 3767598.6, 385.9, 385.9, 0.0); ( 481148.7, 3767598.6, 386.0, 386.0, 0.0);  
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( 480948.7, 3767618.6, 384.1, 384.1, 0.0); ( 480968.7, 3767618.6, 384.2, 384.2, 0.0);  
( 480988.7, 3767618.6, 384.7, 384.7, 0.0); ( 481008.7, 3767618.6, 385.1, 385.1, 0.0);  
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( 481068.7, 3767618.6, 385.3, 385.3, 0.0); ( 481088.7, 3767618.6, 385.3, 385.3, 0.0);  
( 481108.7, 3767618.6, 385.3, 385.3, 0.0); ( 481128.7, 3767618.6, 385.5, 385.5, 0.0);  
( 481148.7, 3767618.6, 386.0, 386.0, 0.0); ( 480748.7, 3767638.6, 382.0, 382.0, 0.0);  
( 480768.7, 3767638.6, 382.2, 382.2, 0.0); ( 480788.7, 3767638.6, 382.2, 382.2, 0.0);  
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( 480848.7, 3767638.6, 381.2, 381.2, 0.0); ( 480868.7, 3767638.6, 381.2, 381.2, 0.0);  
( 480888.7, 3767638.6, 381.6, 381.6, 0.0); ( 480908.7, 3767638.6, 382.5, 382.5, 0.0);  
( 480928.7, 3767638.6, 383.2, 383.2, 0.0); ( 480948.7, 3767638.6, 383.6, 383.6, 0.0);  
( 480968.7, 3767638.6, 383.6, 383.6, 0.0); ( 480988.7, 3767638.6, 384.2, 384.2, 0.0);  
( 481008.7, 3767638.6, 384.6, 384.6, 0.0); ( 481028.7, 3767638.6, 384.6, 384.6, 0.0);  
( 481048.7, 3767638.6, 384.9, 384.9, 0.0); ( 481068.7, 3767638.6, 385.0, 385.0, 0.0);  
( 481088.7, 3767638.6, 385.0, 385.0, 0.0); ( 481108.7, 3767638.6, 384.7, 384.7, 0.0);  
( 481128.7, 3767638.6, 384.9, 384.9, 0.0); ( 481148.7, 3767638.6, 385.6, 385.6, 0.0);  
( 480748.7, 3767658.6, 380.9, 380.9, 0.0); ( 480768.7, 3767658.6, 380.9, 380.9, 0.0);

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\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 480788.7, 3767658.6, 380.9, 380.9, 0.0); ( 480808.7, 3767658.6, 380.3, 380.3, 0.0);  
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( 480868.7, 3767658.6, 379.9, 379.9, 0.0); ( 480888.7, 3767658.6, 380.5, 380.5, 0.0);  
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( 480988.7, 3767658.6, 383.6, 383.6, 0.0); ( 481008.7, 3767658.6, 383.9, 383.9, 0.0);  
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( 481068.7, 3767658.6, 384.9, 384.9, 0.0); ( 481088.7, 3767658.6, 384.9, 384.9, 0.0);  
( 481108.7, 3767658.6, 384.3, 384.3, 0.0); ( 481128.7, 3767658.6, 384.3, 384.3, 0.0);  
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( 480768.7, 3767678.6, 380.3, 380.3, 0.0); ( 480788.7, 3767678.6, 380.3, 380.3, 0.0);  
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( 480848.7, 3767678.6, 378.5, 378.5, 0.0); ( 480868.7, 3767678.6, 379.0, 379.0, 0.0);  
( 480888.7, 3767678.6, 379.6, 379.6, 0.0); ( 480908.7, 3767678.6, 380.5, 380.5, 0.0);  
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( 480968.7, 3767678.6, 383.0, 383.0, 0.0); ( 480988.7, 3767678.6, 383.2, 383.2, 0.0);  
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( 481048.7, 3767678.6, 384.2, 384.2, 0.0); ( 481068.7, 3767678.6, 384.3, 384.3, 0.0);  
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( 480828.7, 3767698.6, 378.4, 378.4, 0.0); ( 480848.7, 3767698.6, 378.0, 378.0, 0.0);  
( 480868.7, 3767698.6, 378.4, 378.4, 0.0); ( 480888.7, 3767698.6, 378.9, 378.9, 0.0);  
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( 480768.7, 3767718.6, 378.9, 378.9, 0.0); ( 480788.7, 3767718.6, 378.9, 378.9, 0.0);  
( 480808.7, 3767718.6, 378.3, 378.3, 0.0); ( 480828.7, 3767718.6, 378.0, 378.0, 0.0);  
( 480848.7, 3767718.6, 377.9, 377.9, 0.0); ( 480868.7, 3767718.6, 378.0, 378.0, 0.0);  
( 480888.7, 3767718.6, 378.3, 378.3, 0.0); ( 480908.7, 3767718.6, 378.9, 378.9, 0.0);  
( 480928.7, 3767718.6, 379.6, 379.6, 0.0); ( 480948.7, 3767718.6, 380.2, 380.2, 0.0);



( 480968.7, 3767718.6, 380.9, 380.9, 0.0); ( 480988.7, 3767718.6, 381.6, 381.6, 0.0);  
( 481008.7, 3767718.6, 382.2, 382.2, 0.0); ( 481028.7, 3767718.6, 382.9, 382.9, 0.0);  
( 481048.7, 3767718.6, 383.6, 383.6, 0.0); ( 481068.7, 3767718.6, 383.9, 383.9, 0.0);  
( 481088.7, 3767718.6, 383.9, 383.9, 0.0); ( 481108.7, 3767718.6, 383.3, 383.3, 0.0);  
( 481128.7, 3767718.6, 383.3, 383.3, 0.0); ( 481148.7, 3767718.6, 383.9, 383.9, 0.0);  
( 480748.7, 3767738.6, 378.3, 378.3, 0.0); ( 480768.7, 3767738.6, 378.3, 378.3, 0.0);  
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( 480828.7, 3767738.6, 377.8, 377.8, 0.0); ( 480848.7, 3767738.6, 377.3, 377.3, 0.0);  
( 480868.7, 3767738.6, 377.7, 377.7, 0.0); ( 480888.7, 3767738.6, 378.1, 378.1, 0.0);

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 480908.7, 3767738.6, 378.2, 378.2, 0.0); ( 480928.7, 3767738.6, 378.9, 378.9, 0.0);  
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( 481068.7, 3767738.6, 383.3, 383.3, 0.0); ( 481088.7, 3767738.6, 383.3, 383.3, 0.0);  
( 481108.7, 3767738.6, 383.1, 383.1, 0.0); ( 481128.7, 3767738.6, 383.1, 383.1, 0.0);  
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( 480948.7, 3767778.6, 379.2, 379.2, 0.0); ( 480968.7, 3767778.6, 379.9, 379.9, 0.0);  
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( 480968.7, 3767798.6, 379.2, 379.2, 0.0); ( 480988.7, 3767798.6, 379.3, 379.3, 0.0);  
( 481008.7, 3767798.6, 379.6, 379.6, 0.0); ( 481028.7, 3767798.6, 380.2, 380.2, 0.0);  
( 481048.7, 3767798.6, 380.9, 380.9, 0.0); ( 481068.7, 3767798.6, 381.3, 381.3, 0.0);

( 481088.7, 3767798.6, 381.3, 381.3, 0.0); ( 481108.7, 3767798.6, 381.7, 381.7, 0.0);  
( 481128.7, 3767798.6, 382.1, 382.1, 0.0); ( 481148.7, 3767798.6, 382.2, 382.2, 0.0);  
( 480748.7, 3767818.6, 377.0, 377.0, 0.0); ( 480768.7, 3767818.6, 377.0, 377.0, 0.0);  
( 480788.7, 3767818.6, 377.0, 377.0, 0.0); ( 480808.7, 3767818.6, 377.0, 377.0, 0.0);  
( 480828.7, 3767818.6, 377.0, 377.0, 0.0); ( 480848.7, 3767818.6, 377.0, 377.0, 0.0);  
( 480868.7, 3767818.6, 377.0, 377.0, 0.0); ( 480888.7, 3767818.6, 377.2, 377.2, 0.0);  
( 480908.7, 3767818.6, 377.6, 377.6, 0.0); ( 480928.7, 3767818.6, 377.9, 377.9, 0.0);  
( 480948.7, 3767818.6, 378.2, 378.2, 0.0); ( 480968.7, 3767818.6, 378.6, 378.6, 0.0);  
( 480988.7, 3767818.6, 378.9, 378.9, 0.0); ( 481008.7, 3767818.6, 379.2, 379.2, 0.0);

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

( 481028.7, 3767818.6, 379.6, 379.6, 0.0); ( 481048.7, 3767818.6, 380.2, 380.2, 0.0);  
( 481068.7, 3767818.6, 380.6, 380.6, 0.0); ( 481088.7, 3767818.6, 380.6, 380.6, 0.0);  
( 481108.7, 3767818.6, 381.2, 381.2, 0.0); ( 481128.7, 3767818.6, 381.6, 381.6, 0.0);  
( 481148.7, 3767818.6, 381.6, 381.6, 0.0); ( 480748.7, 3767838.6, 376.9, 376.9, 0.0);  
( 480768.7, 3767838.6, 376.9, 376.9, 0.0); ( 480788.7, 3767838.6, 376.9, 376.9, 0.0);  
( 480808.7, 3767838.6, 376.9, 376.9, 0.0); ( 480828.7, 3767838.6, 376.9, 376.9, 0.0);  
( 480848.7, 3767838.6, 377.0, 377.0, 0.0); ( 480868.7, 3767838.6, 377.0, 377.0, 0.0);  
( 480888.7, 3767838.6, 377.0, 377.0, 0.0); ( 480908.7, 3767838.6, 377.0, 377.0, 0.0);  
( 480928.7, 3767838.6, 377.6, 377.6, 0.0); ( 480948.7, 3767838.6, 378.0, 378.0, 0.0);  
( 480968.7, 3767838.6, 378.0, 378.0, 0.0); ( 480988.7, 3767838.6, 378.6, 378.6, 0.0);  
( 481008.7, 3767838.6, 378.9, 378.9, 0.0); ( 481028.7, 3767838.6, 379.0, 379.0, 0.0);  
( 481048.7, 3767838.6, 379.6, 379.6, 0.0); ( 481068.7, 3767838.6, 380.0, 380.0, 0.0);  
( 481088.7, 3767838.6, 380.0, 380.0, 0.0); ( 481108.7, 3767838.6, 380.6, 380.6, 0.0);  
( 481128.7, 3767838.6, 380.9, 380.9, 0.0); ( 481148.7, 3767838.6, 380.9, 380.9, 0.0);  
( 480748.7, 3767858.6, 376.3, 376.3, 0.0); ( 480768.7, 3767858.6, 376.3, 376.3, 0.0);  
( 480788.7, 3767858.6, 376.3, 376.3, 0.0); ( 480808.7, 3767858.6, 376.3, 376.3, 0.0);  
( 480828.7, 3767858.6, 376.5, 376.5, 0.0); ( 480848.7, 3767858.6, 377.0, 377.0, 0.0);  
( 480868.7, 3767858.6, 377.0, 377.0, 0.0); ( 480888.7, 3767858.6, 377.0, 377.0, 0.0);  
( 480908.7, 3767858.6, 377.0, 377.0, 0.0); ( 480928.7, 3767858.6, 377.6, 377.6, 0.0);  
( 480948.7, 3767858.6, 378.0, 378.0, 0.0); ( 480968.7, 3767858.6, 378.0, 378.0, 0.0);  
( 480988.7, 3767858.6, 378.2, 378.2, 0.0); ( 481008.7, 3767858.6, 378.5, 378.5, 0.0);  
( 481028.7, 3767858.6, 379.0, 379.0, 0.0); ( 481048.7, 3767858.6, 379.6, 379.6, 0.0);  
( 481068.7, 3767858.6, 380.0, 380.0, 0.0); ( 481088.7, 3767858.6, 380.0, 380.0, 0.0);  
( 481108.7, 3767858.6, 380.2, 380.2, 0.0); ( 481128.7, 3767858.6, 380.3, 380.3, 0.0);  
( 481148.7, 3767858.6, 380.3, 380.3, 0.0); ( 480748.7, 3767878.6, 376.0, 376.0, 0.0);  
( 480768.7, 3767878.6, 376.0, 376.0, 0.0); ( 480788.7, 3767878.6, 376.0, 376.0, 0.0);  
( 480808.7, 3767878.6, 376.0, 376.0, 0.0); ( 480828.7, 3767878.6, 376.2, 376.2, 0.0);  
( 480848.7, 3767878.6, 376.6, 376.6, 0.0); ( 480868.7, 3767878.6, 376.9, 376.9, 0.0);  
( 480888.7, 3767878.6, 377.0, 377.0, 0.0); ( 480908.7, 3767878.6, 377.0, 377.0, 0.0);  
( 480928.7, 3767878.6, 377.4, 377.4, 0.0); ( 480948.7, 3767878.6, 377.7, 377.7, 0.0);  
( 480968.7, 3767878.6, 378.0, 378.0, 0.0); ( 480988.7, 3767878.6, 378.0, 378.0, 0.0);  
( 481008.7, 3767878.6, 378.3, 378.3, 0.0); ( 481028.7, 3767878.6, 379.0, 379.0, 0.0);  
( 481048.7, 3767878.6, 379.4, 379.4, 0.0); ( 481068.7, 3767878.6, 379.6, 379.6, 0.0);  
( 481088.7, 3767878.6, 379.6, 379.6, 0.0); ( 481108.7, 3767878.6, 379.9, 379.9, 0.0);  
( 481128.7, 3767878.6, 380.0, 380.0, 0.0); ( 481148.7, 3767878.6, 380.0, 380.0, 0.0);  
( 480748.7, 3767898.6, 375.9, 375.9, 0.0); ( 480768.7, 3767898.6, 375.9, 375.9, 0.0);



1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111

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,

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*

Surface file: ..\350 Iowa Street Technical Studies Proposal\AQ\LBA Warehouse\_AERMOD\_051922\MET Met  
Version: 16216

Profile file: ..\350 Iowa Street Technical Studies Proposal\AQ\LBA Warehouse\_AERMOD\_051922\MET

Surface format: FREE

Profile format: FREE

Surface station no.: 3171

Upper air station no.: 3190

Name: RDL D

Name: UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

YR MO DY JDY HR H0 U\* W\* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS WD  
HT REF TA HT

-----  
12 01 01 1 01 -10.6 0.149 -9.000 -9.000 -999. 138. 26.7 0.32 3.22 1.00 1.30 110. 9.1 285.4 5.5  
12 01 01 1 02 -5.0 0.102 -9.000 -9.000 -999. 78. 17.9 0.32 3.22 1.00 0.90 130. 9.1 284.5 5.5  
12 01 01 1 03 -5.0 0.102 -9.000 -9.000 -999. 78. 17.9 0.32 3.22 1.00 0.90 100. 9.1 285.0 5.5  
12 01 01 1 04 -5.0 0.102 -9.000 -9.000 -999. 78. 17.9 0.32 3.22 1.00 0.90 107. 9.1 284.6 5.5  
12 01 01 1 05 -10.7 0.149 -9.000 -9.000 -999. 138. 26.7 0.32 3.22 1.00 1.30 98. 9.1 284.9 5.5  
12 01 01 1 06 -5.0 0.102 -9.000 -9.000 -999. 78. 17.9 0.32 3.22 1.00 0.90 86. 9.1 284.5 5.5  
12 01 01 1 07 -5.0 0.102 -9.000 -9.000 -999. 78. 17.9 0.32 3.22 1.00 0.90 91. 9.1 284.0 5.5  
12 01 01 1 08 -4.0 0.102 -9.000 -9.000 -999. 78. 22.9 0.32 3.22 0.54 0.90 107. 9.1 285.0 5.5  
12 01 01 1 09 44.6 0.237 0.382 0.006 43. 276. -25.6 0.15 3.22 0.33 2.10 81. 10.1 289.1 5.5  
12 01 01 1 10 134.3 0.111 0.882 0.008 176. 99. -1.0 0.32 3.22 0.26 0.40 72. 9.1 295.1 5.5  
12 01 01 1 11 199.8 0.409 1.429 0.005 503. 627. -29.4 0.15 3.22 0.23 3.68 78. 10.1 297.9 5.5  
12 01 01 1 12 232.3 0.300 1.889 0.005 999. 402. -10.0 0.32 3.22 0.22 1.80 333. 9.1 299.4 5.5  
12 01 01 1 13 230.0 0.300 2.134 0.005 1453. 394. -10.1 0.32 3.22 0.22 1.80 72. 9.1 300.4 5.5  
12 01 01 1 14 194.0 0.294 2.109 0.005 1663. 382. -11.2 0.32 3.22 0.24 1.80 277. 9.1 301.0 5.5  
12 01 01 1 15 126.3 0.378 1.872 0.005 1784. 557. -36.5 0.32 3.22 0.27 2.70 243. 9.1 301.0 5.5  
12 01 01 1 16 39.5 0.199 1.278 0.005 1817. 240. -17.2 0.32 3.22 0.36 1.30 274. 9.1 300.1 5.5  
12 01 01 1 17 -4.7 0.101 -9.000 -9.000 -999. 85. 19.0 0.32 3.22 0.65 0.90 252. 9.1 298.2 5.5  
12 01 01 1 18 -4.9 0.102 -9.000 -9.000 -999. 78. 18.2 0.32 3.22 1.00 0.90 116. 9.1 296.4 5.5  
12 01 01 1 19 -18.8 0.204 -9.000 -9.000 -999. 220. 45.6 0.15 3.22 1.00 2.27 79. 10.1 292.2 5.5  
12 01 01 1 20 -5.0 0.102 -9.000 -9.000 -999. 83. 18.1 0.32 3.22 1.00 0.90 95. 9.1 290.2 5.5  
12 01 01 1 21 -5.0 0.102 -9.000 -9.000 -999. 78. 18.0 0.32 3.22 1.00 0.90 99. 9.1 287.8 5.5

12 01 01 1 22 -5.0 0.102 -9.000 -9.000 -999. 78. 18.0 0.32 3.22 1.00 0.90 110. 9.1 287.6 5.5  
 12 01 01 1 23 -10.6 0.149 -9.000 -9.000 -999. 138. 26.8 0.32 3.22 1.00 1.30 89. 9.1 287.2 5.5  
 12 01 01 1 24 -5.0 0.102 -9.000 -9.000 -999. 78. 17.9 0.32 3.22 1.00 0.90 105. 9.1 285.9 5.5

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV  
 12 01 01 01 5.5 0 -999. -99.00 285.5 99.0 -99.00 -99.00  
 12 01 01 01 9.1 1 110. 1.30 -999.0 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

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 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 14:10:18

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479934.32	3768767.78	0.00204	479954.32	3768767.78	0.00208
479974.32	3768767.78	0.00213	479994.32	3768767.78	0.00218
480014.32	3768767.78	0.00223	480034.32	3768767.78	0.00227
480054.32	3768767.78	0.00232	480074.32	3768767.78	0.00237
480094.32	3768767.78	0.00243	480114.32	3768767.78	0.00249
480134.32	3768767.78	0.00255	480154.32	3768767.78	0.00262
480174.32	3768767.78	0.00271	480194.32	3768767.78	0.00280
480214.32	3768767.78	0.00290	480234.32	3768767.78	0.00301
480254.32	3768767.78	0.00313	480274.32	3768767.78	0.00324
480294.32	3768767.78	0.00335	480314.32	3768767.78	0.00347
479934.32	3768787.78	0.00188	479954.32	3768787.78	0.00192
479974.32	3768787.78	0.00195	479994.32	3768787.78	0.00199
480014.32	3768787.78	0.00203	480034.32	3768787.78	0.00206
480054.32	3768787.78	0.00210	480074.32	3768787.78	0.00214
480094.32	3768787.78	0.00219	480114.32	3768787.78	0.00225
480134.32	3768787.78	0.00231	480154.32	3768787.78	0.00237
480174.32	3768787.78	0.00245	480194.32	3768787.78	0.00253
480214.32	3768787.78	0.00262	480234.32	3768787.78	0.00271
480254.32	3768787.78	0.00280	480274.32	3768787.78	0.00291
480294.32	3768787.78	0.00300	480314.32	3768787.78	0.00309
479934.32	3768807.78	0.00173	479954.32	3768807.78	0.00176
479974.32	3768807.78	0.00179	479994.32	3768807.78	0.00182
480014.32	3768807.78	0.00185	480034.32	3768807.78	0.00188
480054.32	3768807.78	0.00192	480074.32	3768807.78	0.00195
480094.32	3768807.78	0.00199	480114.32	3768807.78	0.00205

480134.32	3768807.78	0.00211	480154.32	3768807.78	0.00216
480174.32	3768807.78	0.00223	480194.32	3768807.78	0.00231
480214.32	3768807.78	0.00238	480234.32	3768807.78	0.00246
480254.32	3768807.78	0.00254	480274.32	3768807.78	0.00262
480294.32	3768807.78	0.00270	480314.32	3768807.78	0.00277
479934.32	3768827.78	0.00160	479954.32	3768827.78	0.00162
479974.32	3768827.78	0.00164	479994.32	3768827.78	0.00166
480014.32	3768827.78	0.00169	480034.32	3768827.78	0.00172
480054.32	3768827.78	0.00176	480074.32	3768827.78	0.00179
480094.32	3768827.78	0.00183	480114.32	3768827.78	0.00188
480134.32	3768827.78	0.00193	480154.32	3768827.78	0.00199
480174.32	3768827.78	0.00205	480194.32	3768827.78	0.00212
480214.32	3768827.78	0.00218	480234.32	3768827.78	0.00225
480254.32	3768827.78	0.00231	480274.32	3768827.78	0.00238
480294.32	3768827.78	0.00245	480314.32	3768827.78	0.00250

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
479934.32	3768847.78	0.00147	479954.32	3768847.78	0.00149
479974.32	3768847.78	0.00151	479994.32	3768847.78	0.00153
480014.32	3768847.78	0.00156	480034.32	3768847.78	0.00158
480054.32	3768847.78	0.00162	480074.32	3768847.78	0.00165
480094.32	3768847.78	0.00169	480114.32	3768847.78	0.00173
480134.32	3768847.78	0.00178	480154.32	3768847.78	0.00183
480174.32	3768847.78	0.00189	480194.32	3768847.78	0.00195
480214.32	3768847.78	0.00201	480234.32	3768847.78	0.00206
480254.32	3768847.78	0.00212	480274.32	3768847.78	0.00218
480294.32	3768847.78	0.00223	480314.32	3768847.78	0.00227
479652.30	3768393.13	0.00085	479672.30	3768393.13	0.00088
479692.30	3768393.13	0.00092	479712.30	3768393.13	0.00095
479732.30	3768393.13	0.00099	479612.30	3768413.13	0.00083
479632.30	3768413.13	0.00086	479652.30	3768413.13	0.00089
479672.30	3768413.13	0.00093	479692.30	3768413.13	0.00097
479712.30	3768413.13	0.00101	479732.30	3768413.13	0.00105
479552.30	3768433.13	0.00079	479572.30	3768433.13	0.00081
479592.30	3768433.13	0.00084	479612.30	3768433.13	0.00087
479632.30	3768433.13	0.00091	479652.30	3768433.13	0.00094
479672.30	3768433.13	0.00098	479692.30	3768433.13	0.00102
479712.30	3768433.13	0.00107	479732.30	3768433.13	0.00112

479552.30	3768453.13	0.00083	479572.30	3768453.13	0.00085
479592.30	3768453.13	0.00089	479612.30	3768453.13	0.00092
479632.30	3768453.13	0.00095	479652.30	3768453.13	0.00099
479672.30	3768453.13	0.00103	479692.30	3768453.13	0.00108
479712.30	3768453.13	0.00113	479732.30	3768453.13	0.00118
479949.57	3767989.85	0.00075	479969.57	3767989.85	0.00077
479989.57	3767989.85	0.00079	480009.57	3767989.85	0.00082
480029.57	3767989.85	0.00084	480049.57	3767989.85	0.00086
480069.57	3767989.85	0.00089	480089.57	3767989.85	0.00091
480109.57	3767989.85	0.00093	480129.57	3767989.85	0.00096
479949.57	3768009.85	0.00078	479969.57	3768009.85	0.00080
479989.57	3768009.85	0.00082	480009.57	3768009.85	0.00085
480029.57	3768009.85	0.00087	480049.57	3768009.85	0.00090
480069.57	3768009.85	0.00093	480089.57	3768009.85	0.00095
480109.57	3768009.85	0.00098	480129.57	3768009.85	0.00100
479949.57	3768029.85	0.00080	479969.57	3768029.85	0.00083
479989.57	3768029.85	0.00086	480009.57	3768029.85	0.00088
480029.57	3768029.85	0.00091	480049.57	3768029.85	0.00094
480069.57	3768029.85	0.00097	480089.57	3768029.85	0.00100

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480109.57	3768029.85	0.00103	480129.57	3768029.85	0.00106
479949.57	3768049.85	0.00083	479969.57	3768049.85	0.00086
479989.57	3768049.85	0.00089	480009.57	3768049.85	0.00092
480029.57	3768049.85	0.00095	480049.57	3768049.85	0.00099
480069.57	3768049.85	0.00102	480089.57	3768049.85	0.00105
480109.57	3768049.85	0.00108	480129.57	3768049.85	0.00112
479949.57	3768069.85	0.00086	479969.57	3768069.85	0.00090
479989.57	3768069.85	0.00093	480009.57	3768069.85	0.00096
480029.57	3768069.85	0.00100	480049.57	3768069.85	0.00103
480069.57	3768069.85	0.00107	480089.57	3768069.85	0.00111
480109.57	3768069.85	0.00114	480129.57	3768069.85	0.00118
479949.57	3768089.85	0.00090	479969.57	3768089.85	0.00093
479989.57	3768089.85	0.00097	480009.57	3768089.85	0.00100
480029.57	3768089.85	0.00104	480049.57	3768089.85	0.00108
480069.57	3768089.85	0.00112	480089.57	3768089.85	0.00117
480109.57	3768089.85	0.00121	480129.57	3768089.85	0.00126
479949.57	3768109.85	0.00093	479969.57	3768109.85	0.00097

479989.57	3768109.85	0.00101	480009.57	3768109.85	0.00105
480029.57	3768109.85	0.00109	480049.57	3768109.85	0.00114
480069.57	3768109.85	0.00118	480089.57	3768109.85	0.00123
480109.57	3768109.85	0.00129	480129.57	3768109.85	0.00134
479949.57	3768129.85	0.00096	479969.57	3768129.85	0.00100
479989.57	3768129.85	0.00105	480009.57	3768129.85	0.00109
480029.57	3768129.85	0.00114	480049.57	3768129.85	0.00120
480069.57	3768129.85	0.00125	480089.57	3768129.85	0.00130
480109.57	3768129.85	0.00136	480129.57	3768129.85	0.00142
479949.57	3768149.85	0.00100	479969.57	3768149.85	0.00104
479989.57	3768149.85	0.00109	480009.57	3768149.85	0.00114
480029.57	3768149.85	0.00120	480049.57	3768149.85	0.00125
480069.57	3768149.85	0.00131	480089.57	3768149.85	0.00138
480109.57	3768149.85	0.00144	480129.57	3768149.85	0.00151
479949.57	3768169.85	0.00103	479969.57	3768169.85	0.00108
479989.57	3768169.85	0.00114	480009.57	3768169.85	0.00119
480029.57	3768169.85	0.00125	480049.57	3768169.85	0.00132
480069.57	3768169.85	0.00138	480089.57	3768169.85	0.00145
480109.57	3768169.85	0.00153	480129.57	3768169.85	0.00161
480748.74	3767538.61	0.00025	480768.74	3767538.61	0.00025
480788.74	3767538.61	0.00025	480808.74	3767538.61	0.00025
480828.74	3767538.61	0.00025	480848.74	3767538.61	0.00026
480868.74	3767538.61	0.00026	480888.74	3767538.61	0.00025

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480908.74	3767538.61	0.00025	480928.74	3767538.61	0.00025
480948.74	3767538.61	0.00025	480968.74	3767538.61	0.00024
480988.74	3767538.61	0.00024	481008.74	3767538.61	0.00024
481028.74	3767538.61	0.00023	481048.74	3767538.61	0.00023
481068.74	3767538.61	0.00023	481088.74	3767538.61	0.00023
481108.74	3767538.61	0.00023	481128.74	3767538.61	0.00023
481148.74	3767538.61	0.00023	480748.74	3767558.61	0.00027
480768.74	3767558.61	0.00026	480788.74	3767558.61	0.00026
480808.74	3767558.61	0.00026	480828.74	3767558.61	0.00026
480848.74	3767558.61	0.00027	480868.74	3767558.61	0.00026
480888.74	3767558.61	0.00026	480908.74	3767558.61	0.00026
480928.74	3767558.61	0.00025	480948.74	3767558.61	0.00025
480968.74	3767558.61	0.00025	480988.74	3767558.61	0.00025



481008.74	3767558.61	0.00025	481028.74	3767558.61	0.00024
481048.74	3767558.61	0.00024	481068.74	3767558.61	0.00024
481088.74	3767558.61	0.00024	481108.74	3767558.61	0.00024
481128.74	3767558.61	0.00024	481148.74	3767558.61	0.00023
480748.74	3767578.61	0.00028	480768.74	3767578.61	0.00027
480788.74	3767578.61	0.00027	480808.74	3767578.61	0.00027
480828.74	3767578.61	0.00027	480848.74	3767578.61	0.00027
480868.74	3767578.61	0.00027	480888.74	3767578.61	0.00027
480908.74	3767578.61	0.00026	480928.74	3767578.61	0.00026
480948.74	3767578.61	0.00026	480968.74	3767578.61	0.00026
480988.74	3767578.61	0.00026	481008.74	3767578.61	0.00025
481028.74	3767578.61	0.00025	481048.74	3767578.61	0.00025
481068.74	3767578.61	0.00025	481088.74	3767578.61	0.00025
481108.74	3767578.61	0.00025	481128.74	3767578.61	0.00024
481148.74	3767578.61	0.00024	480748.74	3767598.61	0.00029
480768.74	3767598.61	0.00028	480788.74	3767598.61	0.00028
480808.74	3767598.61	0.00028	480828.74	3767598.61	0.00028
480848.74	3767598.61	0.00028	480868.74	3767598.61	0.00028
480888.74	3767598.61	0.00028	480908.74	3767598.61	0.00027
480928.74	3767598.61	0.00027	480948.74	3767598.61	0.00027
480968.74	3767598.61	0.00027	480988.74	3767598.61	0.00027
481008.74	3767598.61	0.00027	481028.74	3767598.61	0.00026
481048.74	3767598.61	0.00026	481068.74	3767598.61	0.00026
481088.74	3767598.61	0.00026	481108.74	3767598.61	0.00026
481128.74	3767598.61	0.00025	481148.74	3767598.61	0.00025
480748.74	3767618.61	0.00030	480768.74	3767618.61	0.00030
480788.74	3767618.61	0.00030	480808.74	3767618.61	0.00029

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480828.74	3767618.61	0.00029	480848.74	3767618.61	0.00030
480868.74	3767618.61	0.00030	480888.74	3767618.61	0.00029
480908.74	3767618.61	0.00029	480928.74	3767618.61	0.00028
480948.74	3767618.61	0.00028	480968.74	3767618.61	0.00028
480988.74	3767618.61	0.00028	481008.74	3767618.61	0.00028
481028.74	3767618.61	0.00027	481048.74	3767618.61	0.00027
481068.74	3767618.61	0.00027	481088.74	3767618.61	0.00027
481108.74	3767618.61	0.00026	481128.74	3767618.61	0.00026
481148.74	3767618.61	0.00026	480748.74	3767638.61	0.00032

480768.74	3767638.61	0.00032	480788.74	3767638.61	0.00031
480808.74	3767638.61	0.00031	480828.74	3767638.61	0.00032
480848.74	3767638.61	0.00032	480868.74	3767638.61	0.00032
480888.74	3767638.61	0.00031	480908.74	3767638.61	0.00030
480928.74	3767638.61	0.00030	480948.74	3767638.61	0.00029
480968.74	3767638.61	0.00029	480988.74	3767638.61	0.00029
481008.74	3767638.61	0.00029	481028.74	3767638.61	0.00029
481048.74	3767638.61	0.00028	481068.74	3767638.61	0.00028
481088.74	3767638.61	0.00028	481108.74	3767638.61	0.00027
481128.74	3767638.61	0.00027	481148.74	3767638.61	0.00026
480748.74	3767658.61	0.00034	480768.74	3767658.61	0.00034
480788.74	3767658.61	0.00034	480808.74	3767658.61	0.00034
480828.74	3767658.61	0.00034	480848.74	3767658.61	0.00034
480868.74	3767658.61	0.00034	480888.74	3767658.61	0.00033
480908.74	3767658.61	0.00032	480928.74	3767658.61	0.00031
480948.74	3767658.61	0.00031	480968.74	3767658.61	0.00031
480988.74	3767658.61	0.00030	481008.74	3767658.61	0.00030
481028.74	3767658.61	0.00030	481048.74	3767658.61	0.00029
481068.74	3767658.61	0.00029	481088.74	3767658.61	0.00028
481108.74	3767658.61	0.00028	481128.74	3767658.61	0.00028
481148.74	3767658.61	0.00027	480748.74	3767678.61	0.00037
480768.74	3767678.61	0.00036	480788.74	3767678.61	0.00036
480808.74	3767678.61	0.00036	480828.74	3767678.61	0.00037
480848.74	3767678.61	0.00037	480868.74	3767678.61	0.00036
480888.74	3767678.61	0.00035	480908.74	3767678.61	0.00034
480928.74	3767678.61	0.00033	480948.74	3767678.61	0.00032
480968.74	3767678.61	0.00032	480988.74	3767678.61	0.00032
481008.74	3767678.61	0.00031	481028.74	3767678.61	0.00031
481048.74	3767678.61	0.00030	481068.74	3767678.61	0.00030
481088.74	3767678.61	0.00030	481108.74	3767678.61	0.00029
481128.74	3767678.61	0.00029	481148.74	3767678.61	0.00028

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480748.74	3767698.61	0.00039	480768.74	3767698.61	0.00038
480788.74	3767698.61	0.00038	480808.74	3767698.61	0.00039
480828.74	3767698.61	0.00039	480848.74	3767698.61	0.00039
480868.74	3767698.61	0.00039	480888.74	3767698.61	0.00038
480908.74	3767698.61	0.00037	480928.74	3767698.61	0.00035

480948.74	3767698.61	0.00034	480968.74	3767698.61	0.00034
480988.74	3767698.61	0.00033	481008.74	3767698.61	0.00033
481028.74	3767698.61	0.00032	481048.74	3767698.61	0.00031
481068.74	3767698.61	0.00031	481088.74	3767698.61	0.00030
481108.74	3767698.61	0.00030	481128.74	3767698.61	0.00030
481148.74	3767698.61	0.00029	480748.74	3767718.61	0.00041
480768.74	3767718.61	0.00041	480788.74	3767718.61	0.00040
480808.74	3767718.61	0.00041	480828.74	3767718.61	0.00041
480848.74	3767718.61	0.00041	480868.74	3767718.61	0.00041
480888.74	3767718.61	0.00040	480908.74	3767718.61	0.00039
480928.74	3767718.61	0.00038	480948.74	3767718.61	0.00037
480968.74	3767718.61	0.00036	480988.74	3767718.61	0.00035
481008.74	3767718.61	0.00034	481028.74	3767718.61	0.00033
481048.74	3767718.61	0.00032	481068.74	3767718.61	0.00032
481088.74	3767718.61	0.00031	481108.74	3767718.61	0.00031
481128.74	3767718.61	0.00031	481148.74	3767718.61	0.00030
480748.74	3767738.61	0.00044	480768.74	3767738.61	0.00044
480788.74	3767738.61	0.00043	480808.74	3767738.61	0.00043
480828.74	3767738.61	0.00043	480848.74	3767738.61	0.00044
480868.74	3767738.61	0.00043	480888.74	3767738.61	0.00042
480908.74	3767738.61	0.00041	480928.74	3767738.61	0.00040
480948.74	3767738.61	0.00039	480968.74	3767738.61	0.00038
480988.74	3767738.61	0.00037	481008.74	3767738.61	0.00036
481028.74	3767738.61	0.00035	481048.74	3767738.61	0.00034
481068.74	3767738.61	0.00033	481088.74	3767738.61	0.00033
481108.74	3767738.61	0.00032	481128.74	3767738.61	0.00032
481148.74	3767738.61	0.00031	480748.74	3767758.61	0.00046
480768.74	3767758.61	0.00046	480788.74	3767758.61	0.00045
480808.74	3767758.61	0.00045	480828.74	3767758.61	0.00045
480848.74	3767758.61	0.00046	480868.74	3767758.61	0.00044
480888.74	3767758.61	0.00043	480908.74	3767758.61	0.00043
480928.74	3767758.61	0.00042	480948.74	3767758.61	0.00040
480968.74	3767758.61	0.00039	480988.74	3767758.61	0.00038
481008.74	3767758.61	0.00037	481028.74	3767758.61	0.00036
481048.74	3767758.61	0.00035	481068.74	3767758.61	0.00035

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
481088.74	3767758.61	0.00034	481108.74	3767758.61	0.00034

481128.74	3767758.61	0.00033	481148.74	3767758.61	0.00033
480748.74	3767778.61	0.00048	480768.74	3767778.61	0.00048
480788.74	3767778.61	0.00047	480808.74	3767778.61	0.00047
480828.74	3767778.61	0.00047	480848.74	3767778.61	0.00048
480868.74	3767778.61	0.00046	480888.74	3767778.61	0.00045
480908.74	3767778.61	0.00045	480928.74	3767778.61	0.00043
480948.74	3767778.61	0.00042	480968.74	3767778.61	0.00041
480988.74	3767778.61	0.00040	481008.74	3767778.61	0.00039
481028.74	3767778.61	0.00038	481048.74	3767778.61	0.00037
481068.74	3767778.61	0.00036	481088.74	3767778.61	0.00036
481108.74	3767778.61	0.00035	481128.74	3767778.61	0.00034
481148.74	3767778.61	0.00034	480748.74	3767798.61	0.00052
480768.74	3767798.61	0.00051	480788.74	3767798.61	0.00051
480808.74	3767798.61	0.00050	480828.74	3767798.61	0.00050
480848.74	3767798.61	0.00050	480868.74	3767798.61	0.00049
480888.74	3767798.61	0.00048	480908.74	3767798.61	0.00046
480928.74	3767798.61	0.00046	480948.74	3767798.61	0.00044
480968.74	3767798.61	0.00043	480988.74	3767798.61	0.00042
481008.74	3767798.61	0.00041	481028.74	3767798.61	0.00040
481048.74	3767798.61	0.00039	481068.74	3767798.61	0.00038
481088.74	3767798.61	0.00037	481108.74	3767798.61	0.00037
481128.74	3767798.61	0.00036	481148.74	3767798.61	0.00035
480748.74	3767818.61	0.00057	480768.74	3767818.61	0.00056
480788.74	3767818.61	0.00056	480808.74	3767818.61	0.00055
480828.74	3767818.61	0.00054	480848.74	3767818.61	0.00054
480868.74	3767818.61	0.00053	480888.74	3767818.61	0.00050
480908.74	3767818.61	0.00049	480928.74	3767818.61	0.00048
480948.74	3767818.61	0.00047	480968.74	3767818.61	0.00045
480988.74	3767818.61	0.00044	481008.74	3767818.61	0.00043
481028.74	3767818.61	0.00042	481048.74	3767818.61	0.00041
481068.74	3767818.61	0.00040	481088.74	3767818.61	0.00039
481108.74	3767818.61	0.00038	481128.74	3767818.61	0.00037
481148.74	3767818.61	0.00037	480748.74	3767838.61	0.00061
480768.74	3767838.61	0.00060	480788.74	3767838.61	0.00059
480808.74	3767838.61	0.00059	480828.74	3767838.61	0.00058
480848.74	3767838.61	0.00056	480868.74	3767838.61	0.00055
480888.74	3767838.61	0.00055	480908.74	3767838.61	0.00054
480928.74	3767838.61	0.00050	480948.74	3767838.61	0.00049
480968.74	3767838.61	0.00048	480988.74	3767838.61	0.00046

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\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
481008.74	3767838.61	0.00045	481028.74	3767838.61	0.00044
481048.74	3767838.61	0.00043	481068.74	3767838.61	0.00042
481088.74	3767838.61	0.00041	481108.74	3767838.61	0.00040
481128.74	3767838.61	0.00039	481148.74	3767838.61	0.00039
480748.74	3767858.61	0.00066	480768.74	3767858.61	0.00065
480788.74	3767858.61	0.00064	480808.74	3767858.61	0.00063
480828.74	3767858.61	0.00061	480848.74	3767858.61	0.00059
480868.74	3767858.61	0.00058	480888.74	3767858.61	0.00057
480908.74	3767858.61	0.00056	480928.74	3767858.61	0.00052
480948.74	3767858.61	0.00051	480968.74	3767858.61	0.00050
480988.74	3767858.61	0.00049	481008.74	3767858.61	0.00047
481028.74	3767858.61	0.00046	481048.74	3767858.61	0.00044
481068.74	3767858.61	0.00043	481088.74	3767858.61	0.00043
481108.74	3767858.61	0.00042	481128.74	3767858.61	0.00041
481148.74	3767858.61	0.00041	480748.74	3767878.61	0.00071
480768.74	3767878.61	0.00070	480788.74	3767878.61	0.00069
480808.74	3767878.61	0.00068	480828.74	3767878.61	0.00065
480848.74	3767878.61	0.00063	480868.74	3767878.61	0.00062
480888.74	3767878.61	0.00059	480908.74	3767878.61	0.00058
480928.74	3767878.61	0.00055	480948.74	3767878.61	0.00053
480968.74	3767878.61	0.00052	480988.74	3767878.61	0.00051
481008.74	3767878.61	0.00050	481028.74	3767878.61	0.00048
481048.74	3767878.61	0.00046	481068.74	3767878.61	0.00045
481088.74	3767878.61	0.00045	481108.74	3767878.61	0.00044
481128.74	3767878.61	0.00043	481148.74	3767878.61	0.00042
480748.74	3767898.61	0.00076	480768.74	3767898.61	0.00074
480788.74	3767898.61	0.00072	480808.74	3767898.61	0.00071
480828.74	3767898.61	0.00070	480848.74	3767898.61	0.00069
480868.74	3767898.61	0.00065	480888.74	3767898.61	0.00062
480908.74	3767898.61	0.00061	480928.74	3767898.61	0.00060
480948.74	3767898.61	0.00056	480968.74	3767898.61	0.00054
480988.74	3767898.61	0.00053	481008.74	3767898.61	0.00052
481028.74	3767898.61	0.00050	481048.74	3767898.61	0.00049
481068.74	3767898.61	0.00048	481088.74	3767898.61	0.00047
481108.74	3767898.61	0.00046	481128.74	3767898.61	0.00045
481148.74	3767898.61	0.00044	480748.74	3767918.61	0.00081
480768.74	3767918.61	0.00078	480788.74	3767918.61	0.00076
480808.74	3767918.61	0.00074	480828.74	3767918.61	0.00073
480848.74	3767918.61	0.00072	480868.74	3767918.61	0.00068
480888.74	3767918.61	0.00065	480908.74	3767918.61	0.00063

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
480928.74	3767918.61	0.00062	480948.74	3767918.61	0.00058
480968.74	3767918.61	0.00056	480988.74	3767918.61	0.00055
481008.74	3767918.61	0.00054	481028.74	3767918.61	0.00053
481048.74	3767918.61	0.00051	481068.74	3767918.61	0.00050
481088.74	3767918.61	0.00049	481108.74	3767918.61	0.00048
481128.74	3767918.61	0.00047	481148.74	3767918.61	0.00047
480748.74	3767938.61	0.00085	480768.74	3767938.61	0.00083
480788.74	3767938.61	0.00080	480808.74	3767938.61	0.00078
480828.74	3767938.61	0.00077	480848.74	3767938.61	0.00075
480868.74	3767938.61	0.00071	480888.74	3767938.61	0.00069
480908.74	3767938.61	0.00066	480928.74	3767938.61	0.00065
480948.74	3767938.61	0.00061	480968.74	3767938.61	0.00059
480988.74	3767938.61	0.00057	481008.74	3767938.61	0.00056
481028.74	3767938.61	0.00055	481048.74	3767938.61	0.00053
481068.74	3767938.61	0.00052	481088.74	3767938.61	0.00051
481108.74	3767938.61	0.00050	481128.74	3767938.61	0.00050
481148.74	3767938.61	0.00049			

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\*\*\* AERMET - VERSION 16216 \*\*\* \*\* 14:10:18

\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
479934.32	3768767.78	0.18619	(16120108)	479954.32	3768767.78	0.18737	(14120308)
479974.32	3768767.78	0.19181	(14120308)	479994.32	3768767.78	0.19553	(14120308)
480014.32	3768767.78	0.19732	(14120308)	480034.32	3768767.78	0.19562	(14120308)
480054.32	3768767.78	0.19141	(14120308)	480074.32	3768767.78	0.19525	(14030707)
480094.32	3768767.78	0.22481	(12122518)	480114.32	3768767.78	0.26957	(12122518)
480134.32	3768767.78	0.31479	(12122518)	480154.32	3768767.78	0.35748	(12122518)
480174.32	3768767.78	0.39629	(12122518)	480194.32	3768767.78	0.42450	(12122518)
480214.32	3768767.78	0.43390	(12122518)	480234.32	3768767.78	0.42739	(12122518)
480254.32	3768767.78	0.45105	(12100807)	480274.32	3768767.78	0.50073	(12100807)
480294.32	3768767.78	0.52342	(12100807)	480314.32	3768767.78	0.51482	(12100807)
479934.32	3768787.78	0.18162	(14120308)	479954.32	3768787.78	0.18565	(14120308)
479974.32	3768787.78	0.18689	(14120308)	479994.32	3768787.78	0.18717	(14120308)

480014.32	3768787.78	0.18538	(14120308)	480034.32	3768787.78	0.18020	(14120308)
480054.32	3768787.78	0.18114	(14030707)	480074.32	3768787.78	0.20875	(12122518)
480094.32	3768787.78	0.24852	(12122518)	480114.32	3768787.78	0.29001	(12122518)
480134.32	3768787.78	0.32972	(12122518)	480154.32	3768787.78	0.36239	(12122518)
480174.32	3768787.78	0.38815	(12122518)	480194.32	3768787.78	0.40121	(12122518)
480214.32	3768787.78	0.39547	(12122518)	480234.32	3768787.78	0.39050	(12100807)
480254.32	3768787.78	0.44318	(12100807)	480274.32	3768787.78	0.47817	(12100807)
480294.32	3768787.78	0.48459	(12100807)	480314.32	3768787.78	0.46241	(12100807)
479934.32	3768807.78	0.17816	(14120308)	479954.32	3768807.78	0.17920	(14120308)
479974.32	3768807.78	0.17735	(14120308)	479994.32	3768807.78	0.17411	(14120308)
480014.32	3768807.78	0.16896	(14120308)	480034.32	3768807.78	0.16857	(14030707)
480054.32	3768807.78	0.19613	(12122518)	480074.32	3768807.78	0.23150	(12122518)
480094.32	3768807.78	0.26737	(12122518)	480114.32	3768807.78	0.30329	(12122518)
480134.32	3768807.78	0.33505	(12122518)	480154.32	3768807.78	0.35673	(12122518)
480174.32	3768807.78	0.36965	(12122518)	480194.32	3768807.78	0.36929	(12122518)
480214.32	3768807.78	0.35174	(12122518)	480234.32	3768807.78	0.39233	(12100807)
480254.32	3768807.78	0.43014	(12100807)	480274.32	3768807.78	0.45060	(12100807)
480294.32	3768807.78	0.44357	(12100807)	480314.32	3768807.78	0.43271	(12022907)
479934.32	3768827.78	0.17050	(14120308)	479954.32	3768827.78	0.16868	(14120308)
479974.32	3768827.78	0.16417	(14120308)	479994.32	3768827.78	0.15783	(14120308)
480014.32	3768827.78	0.15663	(15110307)	480034.32	3768827.78	0.18431	(12122518)
480054.32	3768827.78	0.21683	(12122518)	480074.32	3768827.78	0.24941	(12122518)
480094.32	3768827.78	0.28027	(12122518)	480114.32	3768827.78	0.30883	(12122518)
480134.32	3768827.78	0.33103	(12122518)	480154.32	3768827.78	0.34194	(12122518)
480174.32	3768827.78	0.34330	(12122518)	480194.32	3768827.78	0.33207	(12122518)
480214.32	3768827.78	0.34853	(12100807)	480234.32	3768827.78	0.38811	(12100807)
480254.32	3768827.78	0.41274	(12100807)	480274.32	3768827.78	0.41981	(12100807)
480294.32	3768827.78	0.40207	(12100807)	480314.32	3768827.78	0.40281	(12022907)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
---------------------------	-------------	--------------------	-------------	-------------	--------------------

479934.32	3768847.78	0.15894	(14120308)	479954.32	3768847.78	0.15427	(14120308)
479974.32	3768847.78	0.14837	(14120308)	479994.32	3768847.78	0.14678	(15110307)
480014.32	3768847.78	0.17265	(12122518)	480034.32	3768847.78	0.20199	(12122518)
480054.32	3768847.78	0.23234	(12122518)	480074.32	3768847.78	0.26146	(12122518)
480094.32	3768847.78	0.28602	(12122518)	480114.32	3768847.78	0.30526	(12122518)
480134.32	3768847.78	0.31691	(12122518)	480154.32	3768847.78	0.31961	(12122518)
480174.32	3768847.78	0.31181	(12122518)	480194.32	3768847.78	0.30929	(12100807)

480214.32	3768847.78	0.34955	(12100807)	480234.32	3768847.78	0.37812	(12100807)
480254.32	3768847.78	0.39096	(12100807)	480274.32	3768847.78	0.38701	(12100807)
480294.32	3768847.78	0.37540	(12022907)	480314.32	3768847.78	0.37330	(12022907)
479652.30	3768393.13	0.12592	(14022608)	479672.30	3768393.13	0.12975	(14022608)
479692.30	3768393.13	0.13371	(14022608)	479712.30	3768393.13	0.13787	(14022608)
479732.30	3768393.13	0.14261	(14022608)	479612.30	3768413.13	0.11455	(16041107)
479632.30	3768413.13	0.11592	(16041107)	479652.30	3768413.13	0.11732	(16041107)
479672.30	3768413.13	0.11888	(16010609)	479692.30	3768413.13	0.12228	(14022608)
479712.30	3768413.13	0.12662	(14022608)	479732.30	3768413.13	0.13173	(14022608)
479552.30	3768433.13	0.11619	(16041107)	479572.30	3768433.13	0.11798	(16041107)
479592.30	3768433.13	0.11959	(16041107)	479612.30	3768433.13	0.12124	(16041107)
479632.30	3768433.13	0.12294	(16041107)	479652.30	3768433.13	0.12469	(16041107)
479672.30	3768433.13	0.12649	(16041107)	479692.30	3768433.13	0.12875	(16041107)
479712.30	3768433.13	0.13135	(16041107)	479732.30	3768433.13	0.13412	(16041107)
479552.30	3768453.13	0.11989	(16041107)	479572.30	3768453.13	0.12176	(16041107)
479592.30	3768453.13	0.12358	(16041107)	479612.30	3768453.13	0.12545	(16041107)
479632.30	3768453.13	0.12739	(16041107)	479652.30	3768453.13	0.12944	(16041107)
479672.30	3768453.13	0.13193	(16041107)	479692.30	3768453.13	0.13445	(16041107)
479712.30	3768453.13	0.13709	(16041107)	479732.30	3768453.13	0.14024	(16041107)
479949.57	3767989.85	0.16550	(16101707)	479969.57	3767989.85	0.18171	(16101707)
479989.57	3767989.85	0.19545	(16101707)	480009.57	3767989.85	0.20566	(16101707)
480029.57	3767989.85	0.21133	(16101707)	480049.57	3767989.85	0.21172	(16101707)
480069.57	3767989.85	0.20962	(12112608)	480089.57	3767989.85	0.20227	(12112608)
480109.57	3767989.85	0.20466	(13032107)	480129.57	3767989.85	0.21591	(13032107)
479949.57	3768009.85	0.15562	(16101707)	479969.57	3768009.85	0.17439	(16101707)
479989.57	3768009.85	0.19154	(16101707)	480009.57	3768009.85	0.20589	(16101707)
480029.57	3768009.85	0.21623	(16101707)	480049.57	3768009.85	0.22147	(16101707)
480069.57	3768009.85	0.22098	(12112608)	480089.57	3768009.85	0.21808	(12112608)
480109.57	3768009.85	0.20882	(12112608)	480129.57	3768009.85	0.21811	(13032107)
479949.57	3768029.85	0.15868	(12122708)	479969.57	3768029.85	0.16452	(16101707)
479989.57	3768029.85	0.18463	(16101707)	480009.57	3768029.85	0.20289	(16101707)
480029.57	3768029.85	0.21794	(16101707)	480049.57	3768029.85	0.22840	(16101707)
480069.57	3768029.85	0.23309	(16101707)	480089.57	3768029.85	0.23223	(12112608)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\* INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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480109.57	3768029.85	0.22757	(12112608)	480129.57	3768029.85	0.21995	(13032107)
479949.57	3768049.85	0.17379	(12120507)	479969.57	3768049.85	0.16825	(12122708)



479989.57	3768049.85	0.17456	(16101707)	480009.57	3768049.85	0.19622	(16101707)
480029.57	3768049.85	0.21573	(16101707)	480049.57	3768049.85	0.23153	(16101707)
480069.57	3768049.85	0.24209	(16101707)	480089.57	3768049.85	0.24608	(16101707)
480109.57	3768049.85	0.24465	(12112608)	480129.57	3768049.85	0.23788	(12112608)
479949.57	3768069.85	0.19414	(12120507)	479969.57	3768069.85	0.18662	(12120507)
479989.57	3768069.85	0.17873	(12122708)	480009.57	3768069.85	0.18560	(16101707)
480029.57	3768069.85	0.20899	(16101707)	480049.57	3768069.85	0.22987	(16101707)
480069.57	3768069.85	0.24647	(16101707)	480089.57	3768069.85	0.25702	(16101707)
480109.57	3768069.85	0.26008	(16101707)	480129.57	3768069.85	0.25786	(12112608)
479949.57	3768089.85	0.21198	(12120507)	479969.57	3768089.85	0.20810	(12120507)
479989.57	3768089.85	0.20078	(12120507)	480009.57	3768089.85	0.19026	(12122708)
480029.57	3768089.85	0.19780	(16101707)	480049.57	3768089.85	0.22312	(16101707)
480069.57	3768089.85	0.24551	(16101707)	480089.57	3768089.85	0.26374	(16101707)
480109.57	3768089.85	0.27467	(16101707)	480129.57	3768089.85	0.27657	(16101707)
479949.57	3768109.85	0.22587	(12120507)	479969.57	3768109.85	0.22649	(12120507)
479989.57	3768109.85	0.22341	(12120507)	480009.57	3768109.85	0.21645	(12120507)
480029.57	3768109.85	0.20580	(12120507)	480049.57	3768109.85	0.21158	(16101707)
480069.57	3768109.85	0.23911	(16101707)	480089.57	3768109.85	0.26482	(16101707)
480109.57	3768109.85	0.28414	(16101707)	480129.57	3768109.85	0.29450	(16101707)
479949.57	3768129.85	0.23448	(12120507)	479969.57	3768129.85	0.24018	(12120507)
479989.57	3768129.85	0.24225	(12120507)	480009.57	3768129.85	0.24025	(12120507)
480029.57	3768129.85	0.23517	(12120507)	480049.57	3768129.85	0.22498	(12120507)
480069.57	3768129.85	0.22825	(16101707)	480089.57	3768129.85	0.25891	(16101707)
480109.57	3768129.85	0.28535	(16101707)	480129.57	3768129.85	0.30473	(16101707)
479949.57	3768149.85	0.23680	(12120507)	479969.57	3768149.85	0.24774	(12120507)
479989.57	3768149.85	0.25592	(12120507)	480009.57	3768149.85	0.26067	(12120507)
480029.57	3768149.85	0.26112	(12120507)	480049.57	3768149.85	0.25613	(12120507)
480069.57	3768149.85	0.24543	(12120507)	480089.57	3768149.85	0.24594	(16101707)
480109.57	3768149.85	0.27958	(16101707)	480129.57	3768149.85	0.30900	(16101707)
479949.57	3768169.85	0.23782	(12102407)	479969.57	3768169.85	0.24814	(12120507)
479989.57	3768169.85	0.26257	(12120507)	480009.57	3768169.85	0.27485	(12120507)
480029.57	3768169.85	0.28118	(12120507)	480049.57	3768169.85	0.28249	(12120507)
480069.57	3768169.85	0.27818	(12120507)	480089.57	3768169.85	0.26816	(12120507)
480109.57	3768169.85	0.26647	(16101707)	480129.57	3768169.85	0.30507	(16101707)
480748.74	3767538.61	0.23997	(12032807)	480768.74	3767538.61	0.25588	(12032807)
480788.74	3767538.61	0.26366	(12032807)	480808.74	3767538.61	0.26166	(12032807)
480828.74	3767538.61	0.25081	(12032807)	480848.74	3767538.61	0.23275	(12032807)
480868.74	3767538.61	0.21183	(12032807)	480888.74	3767538.61	0.18813	(12032807)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

480908.74	3767538.61	0.16226	(12032807)	480928.74	3767538.61	0.13563	(12032807)
480948.74	3767538.61	0.13090	(15101607)	480968.74	3767538.61	0.13976	(15101607)
480988.74	3767538.61	0.14601	(15101607)	481008.74	3767538.61	0.14958	(15101607)
481028.74	3767538.61	0.15036	(15101607)	481048.74	3767538.61	0.14840	(15101607)
481068.74	3767538.61	0.15038	(12090507)	481088.74	3767538.61	0.14929	(12090507)
481108.74	3767538.61	0.14456	(15010117)	481128.74	3767538.61	0.14266	(12122117)
481148.74	3767538.61	0.13896	(12122117)	480748.74	3767558.61	0.25174	(12032807)
480768.74	3767558.61	0.26485	(12032807)	480788.74	3767558.61	0.26931	(12032807)
480808.74	3767558.61	0.26452	(12032807)	480828.74	3767558.61	0.25099	(12032807)
480848.74	3767558.61	0.23009	(12032807)	480868.74	3767558.61	0.20668	(12032807)
480888.74	3767558.61	0.18098	(12032807)	480908.74	3767558.61	0.15367	(12032807)
480928.74	3767558.61	0.13321	(15101607)	480948.74	3767558.61	0.14226	(15101607)
480968.74	3767558.61	0.14986	(15101607)	480988.74	3767558.61	0.15144	(15101607)
481008.74	3767558.61	0.15039	(15101607)	481028.74	3767558.61	0.14737	(12090507)
481048.74	3767558.61	0.15183	(12090507)	481068.74	3767558.61	0.15206	(12090507)
481088.74	3767558.61	0.14870	(15010117)	481108.74	3767558.61	0.14643	(12122117)
481128.74	3767558.61	0.14350	(12122117)	481148.74	3767558.61	0.13734	(12122117)
480748.74	3767578.61	0.26292	(12032807)	480768.74	3767578.61	0.27342	(12032807)
480788.74	3767578.61	0.27446	(12032807)	480808.74	3767578.61	0.26648	(12032807)
480828.74	3767578.61	0.24983	(12032807)	480848.74	3767578.61	0.22618	(12032807)
480868.74	3767578.61	0.20042	(12032807)	480888.74	3767578.61	0.17294	(12032807)
480908.74	3767578.61	0.14448	(12032807)	480928.74	3767578.61	0.13876	(15101607)
480948.74	3767578.61	0.14643	(15101607)	480968.74	3767578.61	0.15303	(15101607)
480988.74	3767578.61	0.15188	(15101607)	481008.74	3767578.61	0.14893	(15101607)
481028.74	3767578.61	0.15334	(16121518)	481048.74	3767578.61	0.15450	(12090507)
481068.74	3767578.61	0.15259	(15010117)	481088.74	3767578.61	0.15000	(12122117)
481108.74	3767578.61	0.14790	(12122117)	481128.74	3767578.61	0.14237	(12122117)
481148.74	3767578.61	0.14262	(14111118)	480748.74	3767598.61	0.27355	(12032807)
480768.74	3767598.61	0.28145	(12032807)	480788.74	3767598.61	0.27886	(12032807)
480808.74	3767598.61	0.26714	(12032807)	480828.74	3767598.61	0.24709	(12032807)
480848.74	3767598.61	0.22081	(12032807)	480868.74	3767598.61	0.19298	(12032807)
480888.74	3767598.61	0.16411	(12032807)	480908.74	3767598.61	0.13614	(15101607)
480928.74	3767598.61	0.14094	(15101607)	480948.74	3767598.61	0.14560	(15101607)
480968.74	3767598.61	0.15089	(15101607)	480988.74	3767598.61	0.14953	(16121518)
481008.74	3767598.61	0.15563	(16121518)	481028.74	3767598.61	0.15796	(16121518)
481048.74	3767598.61	0.15617	(15010117)	481068.74	3767598.61	0.15434	(15010117)
481088.74	3767598.61	0.15213	(12122117)	481108.74	3767598.61	0.14731	(12122117)
481128.74	3767598.61	0.14541	(14111118)	481148.74	3767598.61	0.14641	(14111118)
480748.74	3767618.61	0.28200	(12032807)	480768.74	3767618.61	0.28665	(12032807)
480788.74	3767618.61	0.28016	(12032807)	480808.74	3767618.61	0.26482	(12032807)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
480828.74	3767618.61	0.24154	(12032807)	480848.74	3767618.61	0.21285	(12032807)
480868.74	3767618.61	0.18382	(12032807)	480888.74	3767618.61	0.15461	(12032807)
480908.74	3767618.61	0.13580	(15101607)	480928.74	3767618.61	0.14368	(15101607)
480948.74	3767618.61	0.14775	(15101607)	480968.74	3767618.61	0.14988	(16121518)
480988.74	3767618.61	0.15762	(16121518)	481008.74	3767618.61	0.16120	(16121518)
481028.74	3767618.61	0.16025	(16121518)	481048.74	3767618.61	0.15872	(15010117)
481068.74	3767618.61	0.15617	(12122117)	481088.74	3767618.61	0.15213	(12122117)
481108.74	3767618.61	0.14804	(14111118)	481128.74	3767618.61	0.14985	(14111118)
481148.74	3767618.61	0.14862	(14111118)	480748.74	3767638.61	0.28726	(12032807)
480768.74	3767638.61	0.28773	(12032807)	480788.74	3767638.61	0.27744	(12032807)
480808.74	3767638.61	0.25764	(12032807)	480828.74	3767638.61	0.23173	(12032807)
480848.74	3767638.61	0.20225	(12032807)	480868.74	3767638.61	0.17305	(12032807)
480888.74	3767638.61	0.14460	(12032807)	480908.74	3767638.61	0.13342	(15101607)
480928.74	3767638.61	0.14267	(15101607)	480948.74	3767638.61	0.14978	(16121518)
480968.74	3767638.61	0.15836	(16121518)	480988.74	3767638.61	0.16385	(16121518)
481008.74	3767638.61	0.16460	(16121518)	481028.74	3767638.61	0.16283	(15010117)
481048.74	3767638.61	0.16037	(12122117)	481068.74	3767638.61	0.15739	(12122117)
481088.74	3767638.61	0.15106	(14111118)	481108.74	3767638.61	0.15297	(14111118)
481128.74	3767638.61	0.15195	(14111118)	481148.74	3767638.61	0.14831	(14111118)
480748.74	3767658.61	0.28846	(12032807)	480768.74	3767658.61	0.28385	(12032807)
480788.74	3767658.61	0.27017	(12032807)	480808.74	3767658.61	0.24457	(12032807)
480828.74	3767658.61	0.21637	(12032807)	480848.74	3767658.61	0.18856	(12032807)
480868.74	3767658.61	0.16049	(12032807)	480888.74	3767658.61	0.13405	(12032807)
480908.74	3767658.61	0.13487	(16121518)	480928.74	3767658.61	0.14869	(16121518)
480948.74	3767658.61	0.15923	(16121518)	480968.74	3767658.61	0.16520	(16121518)
480988.74	3767658.61	0.16791	(16121518)	481008.74	3767658.61	0.16669	(15010117)
481028.74	3767658.61	0.16415	(15010117)	481048.74	3767658.61	0.16245	(12122117)
481068.74	3767658.61	0.15675	(12122117)	481088.74	3767658.61	0.15737	(14111118)
481108.74	3767658.61	0.15589	(14111118)	481128.74	3767658.61	0.15172	(14111118)
481148.74	3767658.61	0.14553	(14111118)	480748.74	3767678.61	0.28698	(12032807)
480768.74	3767678.61	0.28139	(12032807)	480788.74	3767678.61	0.26435	(12032807)
480808.74	3767678.61	0.23534	(12032807)	480828.74	3767678.61	0.20385	(12032807)
480848.74	3767678.61	0.17292	(12032807)	480868.74	3767678.61	0.14833	(12032807)
480888.74	3767678.61	0.13033	(16121518)	480908.74	3767678.61	0.14494	(16121518)
480928.74	3767678.61	0.15811	(16121518)	480948.74	3767678.61	0.16735	(16121518)
480968.74	3767678.61	0.17148	(16121518)	480988.74	3767678.61	0.17031	(16121518)
481008.74	3767678.61	0.16914	(15010117)	481028.74	3767678.61	0.16714	(12122117)
481048.74	3767678.61	0.16212	(12122117)	481068.74	3767678.61	0.16065	(14111118)
481088.74	3767678.61	0.16069	(14111118)	481108.74	3767678.61	0.15681	(14111118)
481128.74	3767678.61	0.14995	(14111118)	481148.74	3767678.61	0.14070	(14111118)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC  
 (YYMMDDHH)

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
480748.74	3767698.61	0.28574 (12032807)	480768.74	3767698.61	0.27627 (12032807)
480788.74	3767698.61	0.25622 (12032807)	480808.74	3767698.61	0.22458 (12032807)
480828.74	3767698.61	0.19235 (12032807)	480848.74	3767698.61	0.16202 (12032807)
480868.74	3767698.61	0.13737 (12032807)	480888.74	3767698.61	0.14034 (16121518)
480908.74	3767698.61	0.15334 (16121518)	480928.74	3767698.61	0.16491 (16121518)
480948.74	3767698.61	0.17203 (16121518)	480968.74	3767698.61	0.17379 (16121518)
480988.74	3767698.61	0.17263 (15010117)	481008.74	3767698.61	0.17055 (12122117)
481028.74	3767698.61	0.16761 (12122117)	481048.74	3767698.61	0.16429 (14111118)
481068.74	3767698.61	0.16531 (14111118)	481088.74	3767698.61	0.16222 (14111118)
481108.74	3767698.61	0.15519 (14111118)	481128.74	3767698.61	0.14575 (14111118)
481148.74	3767698.61	0.13652 (14111317)	480748.74	3767718.61	0.28442 (12032807)
480768.74	3767718.61	0.26876 (12032807)	480788.74	3767718.61	0.24618 (12032807)
480808.74	3767718.61	0.21313 (12032807)	480828.74	3767718.61	0.18182 (12032807)
480848.74	3767718.61	0.15371 (12032807)	480868.74	3767718.61	0.13691 (16121518)
480888.74	3767718.61	0.14922 (16121518)	480908.74	3767718.61	0.16045 (16121518)
480928.74	3767718.61	0.16858 (16121518)	480948.74	3767718.61	0.17263 (16121518)
480968.74	3767718.61	0.17343 (15010117)	480988.74	3767718.61	0.17247 (12122117)
481008.74	3767718.61	0.17111 (12122117)	481028.74	3767718.61	0.16681 (14111118)
481048.74	3767718.61	0.16967 (14111118)	481068.74	3767718.61	0.16786 (14111118)
481088.74	3767718.61	0.16159 (14111118)	481108.74	3767718.61	0.15122 (14111118)
481128.74	3767718.61	0.13962 (14111317)	481148.74	3767718.61	0.15082 (12121807)
480748.74	3767738.61	0.27791 (12032807)	480768.74	3767738.61	0.25930 (12032807)
480788.74	3767738.61	0.23466 (12032807)	480808.74	3767738.61	0.20471 (12032807)
480828.74	3767738.61	0.17280 (12032807)	480848.74	3767738.61	0.14174 (12032807)
480868.74	3767738.61	0.14772 (16121518)	480888.74	3767738.61	0.15883 (16121518)
480908.74	3767738.61	0.16763 (12090507)	480928.74	3767738.61	0.17321 (12090507)
480948.74	3767738.61	0.17313 (15010117)	480968.74	3767738.61	0.17406 (15010117)
480988.74	3767738.61	0.17336 (12122117)	481008.74	3767738.61	0.16915 (12122117)
481028.74	3767738.61	0.17187 (14111118)	481048.74	3767738.61	0.17167 (14111118)
481068.74	3767738.61	0.16671 (14111118)	481088.74	3767738.61	0.15748 (14111118)
481108.74	3767738.61	0.14538 (14111118)	481128.74	3767738.61	0.15579 (12121807)
481148.74	3767738.61	0.16708 (12121807)	480748.74	3767758.61	0.27591 (12032807)
480768.74	3767758.61	0.25399 (12032807)	480788.74	3767758.61	0.22680 (12032807)
480808.74	3767758.61	0.19676 (12032807)	480828.74	3767758.61	0.16416 (12032807)
480848.74	3767758.61	0.14515 (16121518)	480868.74	3767758.61	0.15869 (16121518)
480888.74	3767758.61	0.16808 (16121518)	480908.74	3767758.61	0.17475 (12090507)
480928.74	3767758.61	0.17649 (12090507)	480948.74	3767758.61	0.17618 (15010117)
480968.74	3767758.61	0.17608 (12122117)	480988.74	3767758.61	0.17234 (12122117)
481008.74	3767758.61	0.17303 (14111118)	481028.74	3767758.61	0.17406 (14111118)
481048.74	3767758.61	0.17083 (14111118)	481068.74	3767758.61	0.16285 (14111118)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL

\*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
481088.74	3767758.61	0.15106 (14111118)	481108.74	3767758.61	0.16064 (12121807)
481128.74	3767758.61	0.17231 (12121807)	481148.74	3767758.61	0.18031 (12121807)
480748.74	3767778.61	0.27537 (12032807)	480768.74	3767778.61	0.24988 (12032807)
480788.74	3767778.61	0.21992 (12032807)	480808.74	3767778.61	0.18804 (12032807)
480828.74	3767778.61	0.15493 (12032807)	480848.74	3767778.61	0.15728 (16121518)
480868.74	3767778.61	0.16916 (16121518)	480888.74	3767778.61	0.17633 (16121518)
480908.74	3767778.61	0.17943 (12090507)	480928.74	3767778.61	0.17874 (15010117)
480948.74	3767778.61	0.17893 (12122117)	480968.74	3767778.61	0.17781 (12122117)
480988.74	3767778.61	0.17463 (14111118)	481008.74	3767778.61	0.17522 (14111118)
481028.74	3767778.61	0.17331 (14111118)	481048.74	3767778.61	0.16719 (14111118)
481068.74	3767778.61	0.15657 (14111118)	481088.74	3767778.61	0.16580 (12121807)
481108.74	3767778.61	0.17775 (12121807)	481128.74	3767778.61	0.18590 (12121807)
481148.74	3767778.61	0.19002 (12121807)	480748.74	3767798.61	0.26361 (12032807)
480768.74	3767798.61	0.23627 (12032807)	480788.74	3767798.61	0.20557 (12032807)
480808.74	3767798.61	0.17395 (12032807)	480828.74	3767798.61	0.15959 (16121518)
480848.74	3767798.61	0.16877 (16121518)	480868.74	3767798.61	0.17581 (16121518)
480888.74	3767798.61	0.18175 (12090507)	480908.74	3767798.61	0.18146 (15010117)
480928.74	3767798.61	0.17942 (15010117)	480948.74	3767798.61	0.17785 (12122117)
480968.74	3767798.61	0.17688 (14111118)	480988.74	3767798.61	0.17682 (14111118)
481008.74	3767798.61	0.17425 (14111118)	481028.74	3767798.61	0.16970 (14111118)
481048.74	3767798.61	0.16100 (14111118)	481068.74	3767798.61	0.17111 (12121807)
481088.74	3767798.61	0.18329 (12121807)	481108.74	3767798.61	0.19174 (12121807)
481128.74	3767798.61	0.19578 (12121807)	481148.74	3767798.61	0.19514 (12121807)
480748.74	3767818.61	0.19294 (12032807)	480768.74	3767818.61	0.16647 (12032807)
480788.74	3767818.61	0.14005 (12032807)	480808.74	3767818.61	0.15014 (16121518)
480828.74	3767818.61	0.15962 (12090507)	480848.74	3767818.61	0.17457 (12090507)
480868.74	3767818.61	0.18339 (12090507)	480888.74	3767818.61	0.18534 (12090507)
480908.74	3767818.61	0.18314 (15010117)	480928.74	3767818.61	0.18088 (12122117)
480948.74	3767818.61	0.17644 (14111118)	480968.74	3767818.61	0.17939 (14111118)
480988.74	3767818.61	0.17753 (14111118)	481008.74	3767818.61	0.17206 (14111118)
481028.74	3767818.61	0.16345 (14111118)	481048.74	3767818.61	0.17643 (12121807)
481068.74	3767818.61	0.18899 (12121807)	481088.74	3767818.61	0.19705 (12121807)
481108.74	3767818.61	0.20149 (12121807)	481128.74	3767818.61	0.20087 (12121807)
481148.74	3767818.61	0.19526 (12121807)	480748.74	3767838.61	0.15640 (12032807)
480768.74	3767838.61	0.13662 (14102418)	480788.74	3767838.61	0.14428 (16121518)
480808.74	3767838.61	0.15522 (12090507)	480828.74	3767838.61	0.17264 (12090507)
480848.74	3767838.61	0.18408 (12090507)	480868.74	3767838.61	0.18855 (12090507)
480888.74	3767838.61	0.18584 (12090507)	480908.74	3767838.61	0.17656 (12090507)

480928.74 3767838.61 0.18118 (12122117) 480948.74 3767838.61 0.18254 (14111118)  
480968.74 3767838.61 0.17941 (14111118) 480988.74 3767838.61 0.17644 (14111118)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC  
(YYMMDDHH)

-----  
481008.74 3767838.61 0.16821 (14111118) 481028.74 3767838.61 0.18115 (12121807)  
481048.74 3767838.61 0.19431 (12121807) 481068.74 3767838.61 0.20302 (12121807)  
481088.74 3767838.61 0.20624 (12121807) 481108.74 3767838.61 0.20604 (12121807)  
481128.74 3767838.61 0.20059 (12121807) 481148.74 3767838.61 0.19045 (12121807)  
480748.74 3767858.61 0.12895 (14102418) 480768.74 3767858.61 0.13413 (16121518)  
480788.74 3767858.61 0.15029 (12090507) 480808.74 3767858.61 0.17008 (12090507)  
480828.74 3767858.61 0.18408 (12090507) 480848.74 3767858.61 0.19102 (12090507)  
480868.74 3767858.61 0.19062 (12090507) 480888.74 3767858.61 0.18303 (12090507)  
480908.74 3767858.61 0.16941 (12090507) 480928.74 3767858.61 0.18714 (14111118)  
480948.74 3767858.61 0.18744 (14111118) 480968.74 3767858.61 0.18082 (14111118)  
480988.74 3767858.61 0.17181 (14111118) 481008.74 3767858.61 0.18666 (12121807)  
481028.74 3767858.61 0.20004 (12121807) 481048.74 3767858.61 0.20971 (12121807)  
481068.74 3767858.61 0.21385 (12121807) 481088.74 3767858.61 0.21197 (12121807)  
481108.74 3767858.61 0.20574 (12121807) 481128.74 3767858.61 0.19521 (12121807)  
481148.74 3767858.61 0.18119 (12121807) 480748.74 3767878.61 0.12444 (16121518)  
480768.74 3767878.61 0.14410 (12090507) 480788.74 3767878.61 0.16624 (12090507)  
480808.74 3767878.61 0.18312 (12090507) 480828.74 3767878.61 0.19299 (12090507)  
480848.74 3767878.61 0.19499 (12090507) 480868.74 3767878.61 0.18932 (12090507)  
480888.74 3767878.61 0.17690 (12090507) 480908.74 3767878.61 0.16879 (14111118)  
480928.74 3767878.61 0.19087 (14111118) 480948.74 3767878.61 0.18742 (14111118)  
480968.74 3767878.61 0.17934 (14111118) 480988.74 3767878.61 0.19251 (12121807)  
481008.74 3767878.61 0.20578 (12121807) 481028.74 3767878.61 0.21587 (12121807)  
481048.74 3767878.61 0.22015 (12121807) 481068.74 3767878.61 0.21857 (12121807)  
481088.74 3767878.61 0.21134 (12121807) 481108.74 3767878.61 0.20057 (12121807)  
481128.74 3767878.61 0.18601 (12121807) 481148.74 3767878.61 0.16880 (12121807)  
480748.74 3767898.61 0.13678 (12090507) 480768.74 3767898.61 0.16114 (12090507)  
480788.74 3767898.61 0.18083 (12090507) 480808.74 3767898.61 0.19381 (12090507)  
480828.74 3767898.61 0.19879 (12090507) 480848.74 3767898.61 0.19553 (12090507)  
480868.74 3767898.61 0.18452 (12090507) 480888.74 3767898.61 0.17653 (14111118)  
480908.74 3767898.61 0.17293 (14111118) 480928.74 3767898.61 0.16581 (14111118)  
480948.74 3767898.61 0.18353 (14111118) 480968.74 3767898.61 0.19976 (12121807)  
480988.74 3767898.61 0.21302 (12121807) 481008.74 3767898.61 0.22204 (12121807)  
481028.74 3767898.61 0.22714 (12121807) 481048.74 3767898.61 0.22472 (12121807)

481068.74 3767898.61 0.21699 (12121807) 481088.74 3767898.61 0.20484 (12121807)  
481108.74 3767898.61 0.19074 (12121807) 481128.74 3767898.61 0.17306 (12121807)  
481148.74 3767898.61 0.16637 (12030107) 480748.74 3767918.61 0.15551 (12090507)  
480768.74 3767918.61 0.17773 (12090507) 480788.74 3767918.61 0.19351 (12090507)  
480808.74 3767918.61 0.20158 (12090507) 480828.74 3767918.61 0.20096 (12090507)  
480848.74 3767918.61 0.19212 (12090507) 480868.74 3767918.61 0.17614 (12090507)  
480888.74 3767918.61 0.18165 (14111118) 480908.74 3767918.61 0.17461 (14111118)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC  
(YYMMDDHH)

-----  
480928.74 3767918.61 0.18537 (12121807) 480948.74 3767918.61 0.20590 (12121807)  
480968.74 3767918.61 0.22161 (12121807) 480988.74 3767918.61 0.23016 (12121807)  
481008.74 3767918.61 0.23302 (12121807) 481028.74 3767918.61 0.23057 (12121807)  
481048.74 3767918.61 0.22405 (12121807) 481068.74 3767918.61 0.21192 (12121807)  
481088.74 3767918.61 0.19527 (12121807) 481108.74 3767918.61 0.17659 (12121807)  
481128.74 3767918.61 0.17698 (12030107) 481148.74 3767918.61 0.18826 (12030107)  
480748.74 3767938.61 0.17345 (12090507) 480768.74 3767938.61 0.19246 (12090507)  
480788.74 3767938.61 0.20344 (12090507) 480808.74 3767938.61 0.20579 (12090507)  
480828.74 3767938.61 0.19921 (12090507) 480848.74 3767938.61 0.18492 (12090507)  
480868.74 3767938.61 0.17211 (14111118) 480888.74 3767938.61 0.17150 (12121807)  
480908.74 3767938.61 0.19314 (12121807) 480928.74 3767938.61 0.20828 (12121807)  
480948.74 3767938.61 0.22852 (12121807) 480968.74 3767938.61 0.23986 (12121807)  
480988.74 3767938.61 0.24255 (12121807) 481008.74 3767938.61 0.23886 (12121807)  
481028.74 3767938.61 0.22964 (12121807) 481048.74 3767938.61 0.21819 (12121807)  
481068.74 3767938.61 0.20145 (12121807) 481088.74 3767938.61 0.18115 (12121807)  
481108.74 3767938.61 0.18843 (12030107) 481128.74 3767938.61 0.19897 (12030107)  
481148.74 3767938.61 0.20574 (12030107)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

479934.32	3768767.78	0.03487 (15011308)	479954.32	3768767.78	0.03640 (15011308)
479974.32	3768767.78	0.03835 (12010208)	479994.32	3768767.78	0.04034 (12010208)
480014.32	3768767.78	0.04210 (12010208)	480034.32	3768767.78	0.04341 (12010208)
480054.32	3768767.78	0.04430 (12010208)	480074.32	3768767.78	0.04622 (16110924)
480094.32	3768767.78	0.04809 (16110924)	480114.32	3768767.78	0.05067 (14122308)
480134.32	3768767.78	0.05268 (14122308)	480154.32	3768767.78	0.05380 (14122308)
480174.32	3768767.78	0.05406 (14122308)	480194.32	3768767.78	0.05549 (12122524)
480214.32	3768767.78	0.05677 (12122524)	480234.32	3768767.78	0.05609 (12122524)
480254.32	3768767.78	0.06476c (12100808)	480274.32	3768767.78	0.07189c (12100808)
480294.32	3768767.78	0.07516c (12100808)	480314.32	3768767.78	0.07629 (13121908)
479934.32	3768787.78	0.03442 (12010208)	479954.32	3768787.78	0.03620 (12010208)
479974.32	3768787.78	0.03769 (12010208)	479994.32	3768787.78	0.03904 (12010208)
480014.32	3768787.78	0.04008 (12010208)	480034.32	3768787.78	0.04095 (16110924)
480054.32	3768787.78	0.04264 (16110924)	480074.32	3768787.78	0.04423 (14122308)
480094.32	3768787.78	0.04646 (14122308)	480114.32	3768787.78	0.04817 (14122308)
480134.32	3768787.78	0.04912 (14122308)	480154.32	3768787.78	0.04907 (14122308)
480174.32	3768787.78	0.05064 (12122524)	480194.32	3768787.78	0.05238 (12122524)
480214.32	3768787.78	0.05177 (12122524)	480234.32	3768787.78	0.05605c (12100808)
480254.32	3768787.78	0.06360c (12100808)	480274.32	3768787.78	0.06862c (12100808)
480294.32	3768787.78	0.06956c (12100808)	480314.32	3768787.78	0.07134 (13121908)
479934.32	3768807.78	0.03405 (12010208)	479954.32	3768807.78	0.03532 (12010208)
479974.32	3768807.78	0.03624 (12010208)	479994.32	3768807.78	0.03692 (12010208)
480014.32	3768807.78	0.03806 (16110924)	480034.32	3768807.78	0.03948 (16110924)
480054.32	3768807.78	0.04111 (14122308)	480074.32	3768807.78	0.04291 (14122308)
480094.32	3768807.78	0.04419 (14122308)	480114.32	3768807.78	0.04494 (14122308)
480134.32	3768807.78	0.04494 (14122308)	480154.32	3768807.78	0.04647 (12122524)
480174.32	3768807.78	0.04818 (12122524)	480194.32	3768807.78	0.04824 (12122524)
480214.32	3768807.78	0.04901c (12100808)	480234.32	3768807.78	0.05628c (12100808)
480254.32	3768807.78	0.06170c (12100808)	480274.32	3768807.78	0.06464c (12100808)
480294.32	3768807.78	0.06365c (12100808)	480314.32	3768807.78	0.06648 (13121908)
479934.32	3768827.78	0.03301 (12010208)	479954.32	3768827.78	0.03376 (12010208)
479974.32	3768827.78	0.03413 (12010208)	479994.32	3768827.78	0.03539 (16110924)
480014.32	3768827.78	0.03649 (16110924)	480034.32	3768827.78	0.03829 (14122308)
480054.32	3768827.78	0.03984 (14122308)	480074.32	3768827.78	0.04087 (14122308)
480094.32	3768827.78	0.04133 (14122308)	480114.32	3768827.78	0.04124 (14122308)
480134.32	3768827.78	0.04307 (12122524)	480154.32	3768827.78	0.04450 (12122524)
480174.32	3768827.78	0.04476 (12122524)	480194.32	3768827.78	0.04345 (12122524)
480214.32	3768827.78	0.04999c (12100808)	480234.32	3768827.78	0.05566c (12100808)
480254.32	3768827.78	0.05919c (12100808)	480274.32	3768827.78	0.06021c (12100808)
480294.32	3768827.78	0.06034 (12022908)	480314.32	3768827.78	0.06179 (13121908)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*



\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
479934.32	3768847.78	0.03135 (12010208)	479954.32	3768847.78	0.03189 (16110924)
479974.32	3768847.78	0.03308 (16110924)	479994.32	3768847.78	0.03408 (14122308)
480014.32	3768847.78	0.03567 (14122308)	480034.32	3768847.78	0.03696 (14122308)
480054.32	3768847.78	0.03787 (14122308)	480074.32	3768847.78	0.03828 (14122308)
480094.32	3768847.78	0.03803 (14122308)	480114.32	3768847.78	0.03967 (12122524)
480134.32	3768847.78	0.04119 (12122524)	480154.32	3768847.78	0.04161 (12122524)
480174.32	3768847.78	0.04072 (12122524)	480194.32	3768847.78	0.04435c (12100808)
480214.32	3768847.78	0.05011c (12100808)	480234.32	3768847.78	0.05421c (12100808)
480254.32	3768847.78	0.05605c (12100808)	480274.32	3768847.78	0.05550c (12100808)
480294.32	3768847.78	0.05748 (12022908)	480314.32	3768847.78	0.05740 (12022908)
479652.30	3768393.13	0.02581 (14022608)	479672.30	3768393.13	0.02682 (14022608)
479692.30	3768393.13	0.02788 (14022608)	479712.30	3768393.13	0.02901 (14022608)
479732.30	3768393.13	0.03029 (14022608)	479612.30	3768413.13	0.02153 (14022608)
479632.30	3768413.13	0.02239 (14022608)	479652.30	3768413.13	0.02329 (14022608)
479672.30	3768413.13	0.02425 (14022608)	479692.30	3768413.13	0.02528 (14022608)
479712.30	3768413.13	0.02640 (14022608)	479732.30	3768413.13	0.02771 (14022608)
479552.30	3768433.13	0.01975 (13022208)	479572.30	3768433.13	0.02024 (13022208)
479592.30	3768433.13	0.02072 (13022208)	479612.30	3768433.13	0.02122 (13022208)
479632.30	3768433.13	0.02175 (13022208)	479652.30	3768433.13	0.02231 (13022208)
479672.30	3768433.13	0.02290 (13022208)	479692.30	3768433.13	0.02358 (13022208)
479712.30	3768433.13	0.02433 (13022208)	479732.30	3768433.13	0.02514 (13022208)
479552.30	3768453.13	0.01979 (13022208)	479572.30	3768453.13	0.02027 (13022208)
479592.30	3768453.13	0.02075 (13022208)	479612.30	3768453.13	0.02126 (13022208)
479632.30	3768453.13	0.02179 (13022208)	479652.30	3768453.13	0.02236 (13022208)
479672.30	3768453.13	0.02302 (13022208)	479692.30	3768453.13	0.02370 (13022208)
479712.30	3768453.13	0.02442 (13022208)	479732.30	3768453.13	0.02525 (13022208)
479949.57	3767989.85	0.02123 (12012008)	479969.57	3767989.85	0.02353 (12012008)
479989.57	3767989.85	0.02573 (12012008)	480009.57	3767989.85	0.02773 (12012008)
480029.57	3767989.85	0.02942 (12012008)	480049.57	3767989.85	0.03071 (12012008)
480069.57	3767989.85	0.03149 (12012008)	480089.57	3767989.85	0.03169 (12012008)
480109.57	3767989.85	0.03132 (12012008)	480129.57	3767989.85	0.03035 (12012008)
479949.57	3768009.85	0.02054 (12010608)	479969.57	3768009.85	0.02253 (12012008)
479989.57	3768009.85	0.02500 (12012008)	480009.57	3768009.85	0.02735 (12012008)
480029.57	3768009.85	0.02947 (12012008)	480049.57	3768009.85	0.03124 (12012008)
480069.57	3768009.85	0.03252 (12012008)	480089.57	3768009.85	0.03323 (12012008)
480109.57	3768009.85	0.03329 (12012008)	480129.57	3768009.85	0.03267 (12012008)
479949.57	3768029.85	0.02353 (12010608)	479969.57	3768029.85	0.02198 (12010608)
479989.57	3768029.85	0.02402 (12012008)	480009.57	3768029.85	0.02669 (12012008)
480029.57	3768029.85	0.02922 (12012008)	480049.57	3768029.85	0.03147 (12012008)
480069.57	3768029.85	0.03330 (12012008)	480089.57	3768029.85	0.03458 (12012008)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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480109.57	3768029.85	0.03519 (12012008)	480129.57	3768029.85	0.03504 (12012008)
479949.57	3768049.85	0.02650 (12010608)	479969.57	3768049.85	0.02523 (12010608)
479989.57	3768049.85	0.02361 (12010608)	480009.57	3768049.85	0.02570 (12012008)
480029.57	3768049.85	0.02860 (12012008)	480049.57	3768049.85	0.03133 (12012008)
480069.57	3768049.85	0.03372 (12012008)	480089.57	3768049.85	0.03562 (12012008)
480109.57	3768049.85	0.03688 (12012008)	480129.57	3768049.85	0.03735 (12012008)
479949.57	3768069.85	0.02928 (12010608)	479969.57	3768069.85	0.02842 (12010608)
479989.57	3768069.85	0.02713 (12010608)	480009.57	3768069.85	0.02542 (12010608)
480029.57	3768069.85	0.02757 (12012008)	480049.57	3768069.85	0.03073 (12012008)
480069.57	3768069.85	0.03368 (12012008)	480089.57	3768069.85	0.03623 (12012008)
480109.57	3768069.85	0.03819 (12012008)	480129.57	3768069.85	0.03939 (12012008)
479949.57	3768089.85	0.03168 (12010608)	479969.57	3768089.85	0.03136 (12010608)
479989.57	3768089.85	0.03055 (12010608)	480009.57	3768089.85	0.02924 (12010608)
480029.57	3768089.85	0.02745 (12010608)	480049.57	3768089.85	0.02966 (12012008)
480069.57	3768089.85	0.03312 (12012008)	480089.57	3768089.85	0.03639 (12012008)
480109.57	3768089.85	0.03916 (12012008)	480129.57	3768089.85	0.04118 (12012008)
479949.57	3768109.85	0.03351 (12010608)	479969.57	3768109.85	0.03383 (12010608)
479989.57	3768109.85	0.03365 (12010608)	480009.57	3768109.85	0.03291 (12010608)
480029.57	3768109.85	0.03162 (12010608)	480049.57	3768109.85	0.02977 (12010608)
480069.57	3768109.85	0.03205 (12012008)	480089.57	3768109.85	0.03600 (12012008)
480109.57	3768109.85	0.03958 (12012008)	480129.57	3768109.85	0.04249 (12012008)
479949.57	3768129.85	0.03460 (12010608)	479969.57	3768129.85	0.03563 (12010608)
479989.57	3768129.85	0.03618 (12010608)	480009.57	3768129.85	0.03617 (12010608)
480029.57	3768129.85	0.03569 (12010608)	480049.57	3768129.85	0.03449 (12010608)
480069.57	3768129.85	0.03254 (12010608)	480089.57	3768129.85	0.03494 (12012008)
480109.57	3768129.85	0.03917 (12012008)	480129.57	3768129.85	0.04298 (12012008)
479949.57	3768149.85	0.03481 (12010608)	479969.57	3768149.85	0.03657 (12010608)
479989.57	3768149.85	0.03797 (12010608)	480009.57	3768149.85	0.03890 (12010608)
480029.57	3768149.85	0.03924 (12010608)	480049.57	3768149.85	0.03882 (12010608)
480069.57	3768149.85	0.03758 (12010608)	480089.57	3768149.85	0.03557 (12010608)
480109.57	3768149.85	0.03808 (12012008)	480129.57	3768149.85	0.04284 (12012008)
479949.57	3768169.85	0.03408 (12010608)	479969.57	3768169.85	0.03652 (12010608)
479989.57	3768169.85	0.03877 (12010608)	480009.57	3768169.85	0.04074 (12010608)
480029.57	3768169.85	0.04193 (12010608)	480049.57	3768169.85	0.04244 (12010608)
480069.57	3768169.85	0.04215 (12010608)	480089.57	3768169.85	0.04104 (12010608)
480109.57	3768169.85	0.03912 (12010608)	480129.57	3768169.85	0.04189 (12012008)

480748.74	3767538.61	0.03001	(12032808)	480768.74	3767538.61	0.03200	(12032808)
480788.74	3767538.61	0.03297	(12032808)	480808.74	3767538.61	0.03272	(12032808)
480828.74	3767538.61	0.03137	(12032808)	480848.74	3767538.61	0.02911	(12032808)
480868.74	3767538.61	0.02649	(12032808)	480888.74	3767538.61	0.02353	(12032808)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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480908.74	3767538.61	0.02030	(12032808)	480928.74	3767538.61	0.01697	(12032808)
480948.74	3767538.61	0.01665	(15101608)	480968.74	3767538.61	0.01779	(15101608)
480988.74	3767538.61	0.01861	(15101608)	481008.74	3767538.61	0.01910	(15101608)
481028.74	3767538.61	0.01924	(15101608)	481048.74	3767538.61	0.01903	(15101608)
481068.74	3767538.61	0.01903	(16121524)	481088.74	3767538.61	0.01887	(12090508)
481108.74	3767538.61	0.01859	(15010124)	481128.74	3767538.61	0.01800	(15010124)
481148.74	3767538.61	0.01744	(12122124)	480748.74	3767558.61	0.03148	(12032808)
480768.74	3767558.61	0.03312	(12032808)	480788.74	3767558.61	0.03368	(12032808)
480808.74	3767558.61	0.03308	(12032808)	480828.74	3767558.61	0.03139	(12032808)
480848.74	3767558.61	0.02878	(12032808)	480868.74	3767558.61	0.02585	(12032808)
480888.74	3767558.61	0.02264	(12032808)	480908.74	3767558.61	0.01922	(12032808)
480928.74	3767558.61	0.01693	(15101608)	480948.74	3767558.61	0.01810	(15101608)
480968.74	3767558.61	0.01909	(15101608)	480988.74	3767558.61	0.01933	(15101608)
481008.74	3767558.61	0.01924	(15101608)	481028.74	3767558.61	0.01918	(16121524)
481048.74	3767558.61	0.01952	(16121524)	481068.74	3767558.61	0.01938	(16121524)
481088.74	3767558.61	0.01915	(15010124)	481108.74	3767558.61	0.01867	(15010124)
481128.74	3767558.61	0.01801	(12122124)	481148.74	3767558.61	0.01724	(12122124)
480748.74	3767578.61	0.03288	(12032808)	480768.74	3767578.61	0.03419	(12032808)
480788.74	3767578.61	0.03432	(12032808)	480808.74	3767578.61	0.03333	(12032808)
480828.74	3767578.61	0.03124	(12032808)	480848.74	3767578.61	0.02829	(12032808)
480868.74	3767578.61	0.02507	(12032808)	480888.74	3767578.61	0.02163	(12032808)
480908.74	3767578.61	0.01808	(12032808)	480928.74	3767578.61	0.01765	(15101608)
480948.74	3767578.61	0.01865	(15101608)	480968.74	3767578.61	0.01952	(15101608)
480988.74	3767578.61	0.01942	(15101608)	481008.74	3767578.61	0.01945	(16121524)
481028.74	3767578.61	0.01995	(16121524)	481048.74	3767578.61	0.01997	(16121524)
481068.74	3767578.61	0.01969	(15010124)	481088.74	3767578.61	0.01932	(15010124)
481108.74	3767578.61	0.01857	(12122124)	481128.74	3767578.61	0.01787	(12122124)
481148.74	3767578.61	0.01790	(14111124)	480748.74	3767598.61	0.03421	(12032808)
480768.74	3767598.61	0.03520	(12032808)	480788.74	3767598.61	0.03487	(12032808)
480808.74	3767598.61	0.03341	(12032808)	480828.74	3767598.61	0.03090	(12032808)
480848.74	3767598.61	0.02762	(12032808)	480868.74	3767598.61	0.02414	(12032808)

480888.74	3767598.61	0.02053	(12032808)	480908.74	3767598.61	0.01732	(15101608)
480928.74	3767598.61	0.01796	(15101608)	480948.74	3767598.61	0.01859	(15101608)
480968.74	3767598.61	0.01929	(15101608)	480988.74	3767598.61	0.01969	(16121524)
481008.74	3767598.61	0.02034	(16121524)	481028.74	3767598.61	0.02053	(16121524)
481048.74	3767598.61	0.02019	(15010124)	481068.74	3767598.61	0.01995	(15010124)
481088.74	3767598.61	0.01924	(15010124)	481108.74	3767598.61	0.01850	(12122124)
481128.74	3767598.61	0.01826	(14111124)	481148.74	3767598.61	0.01838	(14111124)
480748.74	3767618.61	0.03527	(12032808)	480768.74	3767618.61	0.03585	(12032808)
480788.74	3767618.61	0.03504	(12032808)	480808.74	3767618.61	0.03312	(12032808)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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480828.74	3767618.61	0.03021	(12032808)	480848.74	3767618.61	0.02662	(12032808)
480868.74	3767618.61	0.02299	(12032808)	480888.74	3767618.61	0.01934	(12032808)
480908.74	3767618.61	0.01731	(15101608)	480928.74	3767618.61	0.01834	(15101608)
480948.74	3767618.61	0.01890	(15101608)	480968.74	3767618.61	0.01988	(16121524)
480988.74	3767618.61	0.02070	(16121524)	481008.74	3767618.61	0.02104	(16121524)
481028.74	3767618.61	0.02085	(16121524)	481048.74	3767618.61	0.02055	(15010124)
481068.74	3767618.61	0.01995	(15010124)	481088.74	3767618.61	0.01911	(12122124)
481108.74	3767618.61	0.01859	(14111124)	481128.74	3767618.61	0.01882	(14111124)
481148.74	3767618.61	0.01866	(14111124)	480748.74	3767638.61	0.03593	(12032808)
480768.74	3767638.61	0.03598	(12032808)	480788.74	3767638.61	0.03470	(12032808)
480808.74	3767638.61	0.03222	(12032808)	480828.74	3767638.61	0.02898	(12032808)
480848.74	3767638.61	0.02530	(12032808)	480868.74	3767638.61	0.02165	(12032808)
480888.74	3767638.61	0.01809	(12032808)	480908.74	3767638.61	0.01717	(16121524)
480928.74	3767638.61	0.01872	(16121524)	480948.74	3767638.61	0.02005	(16121524)
480968.74	3767638.61	0.02097	(16121524)	480988.74	3767638.61	0.02151	(16121524)
481008.74	3767638.61	0.02150	(16121524)	481028.74	3767638.61	0.02113	(15010124)
481048.74	3767638.61	0.02069	(15010124)	481068.74	3767638.61	0.01977	(12122124)
481088.74	3767638.61	0.01898	(14111124)	481108.74	3767638.61	0.01922	(14111124)
481128.74	3767638.61	0.01908	(14111124)	481148.74	3767638.61	0.01862	(14111124)
480748.74	3767658.61	0.03608	(12032808)	480768.74	3767658.61	0.03550	(12032808)
480788.74	3767658.61	0.03379	(12032808)	480808.74	3767658.61	0.03059	(12032808)
480828.74	3767658.61	0.02706	(12032808)	480848.74	3767658.61	0.02359	(12032808)
480868.74	3767658.61	0.02008	(12032808)	480888.74	3767658.61	0.01707	(16121524)
480908.74	3767658.61	0.01871	(16121524)	480928.74	3767658.61	0.02015	(16121524)
480948.74	3767658.61	0.02125	(16121524)	480968.74	3767658.61	0.02186	(16121524)
480988.74	3767658.61	0.02205	(16121524)	481008.74	3767658.61	0.02168	(15010124)

481028.74	3767658.61	0.02135	(15010124)	481048.74	3767658.61	0.02058	(15010124)
481068.74	3767658.61	0.01969	(12122124)	481088.74	3767658.61	0.01977	(14111124)
481108.74	3767658.61	0.01958	(14111124)	481128.74	3767658.61	0.01906	(14111124)
481148.74	3767658.61	0.01828	(14111124)	480748.74	3767678.61	0.03589	(12032808)
480768.74	3767678.61	0.03519	(12032808)	480788.74	3767678.61	0.03306	(12032808)
480808.74	3767678.61	0.02944	(12032808)	480828.74	3767678.61	0.02550	(12032808)
480848.74	3767678.61	0.02163	(12032808)	480868.74	3767678.61	0.01856	(12032808)
480888.74	3767678.61	0.01844	(16121524)	480908.74	3767678.61	0.02001	(16121524)
480928.74	3767678.61	0.02137	(16121524)	480948.74	3767678.61	0.02229	(16121524)
480968.74	3767678.61	0.02264	(16121524)	480988.74	3767678.61	0.02239	(16121524)
481008.74	3767678.61	0.02204	(15010124)	481028.74	3767678.61	0.02139	(15010124)
481048.74	3767678.61	0.02037	(12122124)	481068.74	3767678.61	0.02019	(14111124)
481088.74	3767678.61	0.02019	(14111124)	481108.74	3767678.61	0.01970	(14111124)
481128.74	3767678.61	0.01885	(14111124)	481148.74	3767678.61	0.01769	(14111124)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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480748.74	3767698.61	0.03574	(12032808)	480768.74	3767698.61	0.03455	(12032808)
480788.74	3767698.61	0.03205	(12032808)	480808.74	3767698.61	0.02809	(12032808)
480828.74	3767698.61	0.02406	(12032808)	480848.74	3767698.61	0.02027	(12032808)
480868.74	3767698.61	0.01803	(16121524)	480888.74	3767698.61	0.01966	(16121524)
480908.74	3767698.61	0.02108	(16121524)	480928.74	3767698.61	0.02229	(16121524)
480948.74	3767698.61	0.02295	(16121524)	480968.74	3767698.61	0.02300	(16121524)
480988.74	3767698.61	0.02259	(15010124)	481008.74	3767698.61	0.02210	(15010124)
481028.74	3767698.61	0.02111	(15010124)	481048.74	3767698.61	0.02065	(14111124)
481068.74	3767698.61	0.02077	(14111124)	481088.74	3767698.61	0.02038	(14111124)
481108.74	3767698.61	0.01951	(14111124)	481128.74	3767698.61	0.01832	(14111124)
481148.74	3767698.61	0.01786	(14111324)	480748.74	3767718.61	0.03557	(12032808)
480768.74	3767718.61	0.03362	(12032808)	480788.74	3767718.61	0.03079	(12032808)
480808.74	3767718.61	0.02666	(12032808)	480828.74	3767718.61	0.02275	(12032808)
480848.74	3767718.61	0.01923	(12032808)	480868.74	3767718.61	0.01934	(16121524)
480888.74	3767718.61	0.02075	(16121524)	480908.74	3767718.61	0.02200	(16121524)
480928.74	3767718.61	0.02282	(16121524)	480948.74	3767718.61	0.02314	(16121524)
480968.74	3767718.61	0.02289	(16121524)	480988.74	3767718.61	0.02265	(15010124)
481008.74	3767718.61	0.02186	(15010124)	481028.74	3767718.61	0.02098	(14111124)
481048.74	3767718.61	0.02133	(14111124)	481068.74	3767718.61	0.02110	(14111124)
481088.74	3767718.61	0.02031	(14111124)	481108.74	3767718.61	0.01902	(14111124)
481128.74	3767718.61	0.01832	(14111324)	481148.74	3767718.61	0.01919	(14111324)

480748.74	3767738.61	0.03476	(12032808)	480768.74	3767738.61	0.03243	(12032808)
480788.74	3767738.61	0.02935	(12032808)	480808.74	3767738.61	0.02561	(12032808)
480828.74	3767738.61	0.02162	(12032808)	480848.74	3767738.61	0.01898	(16121524)
480868.74	3767738.61	0.02068	(16121524)	480888.74	3767738.61	0.02196	(16121524)
480908.74	3767738.61	0.02266	(16121524)	480928.74	3767738.61	0.02322	(16121524)
480948.74	3767738.61	0.02324	(16121524)	480968.74	3767738.61	0.02305	(15010124)
480988.74	3767738.61	0.02248	(15010124)	481008.74	3767738.61	0.02135	(15010124)
481028.74	3767738.61	0.02162	(14111124)	481048.74	3767738.61	0.02159	(14111124)
481068.74	3767738.61	0.02096	(14111124)	481088.74	3767738.61	0.01980	(14111124)
481108.74	3767738.61	0.01885	(14111324)	481128.74	3767738.61	0.01969	(14111324)
481148.74	3767738.61	0.02095	(12121808)	480748.74	3767758.61	0.03451	(12032808)
480768.74	3767758.61	0.03177	(12032808)	480788.74	3767758.61	0.02837	(12032808)
480808.74	3767758.61	0.02462	(12032808)	480828.74	3767758.61	0.02054	(12032808)
480848.74	3767758.61	0.02039	(16121524)	480868.74	3767758.61	0.02207	(16121524)
480888.74	3767758.61	0.02314	(16121524)	480908.74	3767758.61	0.02340	(16121524)
480928.74	3767758.61	0.02365	(16121524)	480948.74	3767758.61	0.02350	(15010124)
480968.74	3767758.61	0.02314	(15010124)	480988.74	3767758.61	0.02209	(15010124)
481008.74	3767758.61	0.02179	(14111124)	481028.74	3767758.61	0.02191	(14111124)
481048.74	3767758.61	0.02149	(14111124)	481068.74	3767758.61	0.02049	(14111124)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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481088.74	3767758.61	0.01938	(14111324)	481108.74	3767758.61	0.02024	(14111324)
481128.74	3767758.61	0.02160	(12121808)	481148.74	3767758.61	0.02260	(12121808)
480748.74	3767778.61	0.03445	(12032808)	480768.74	3767778.61	0.03126	(12032808)
480788.74	3767778.61	0.02751	(12032808)	480808.74	3767778.61	0.02353	(12032808)
480828.74	3767778.61	0.02107	(16121524)	480848.74	3767778.61	0.02196	(16121524)
480868.74	3767778.61	0.02341	(16121524)	480888.74	3767778.61	0.02420	(16121524)
480908.74	3767778.61	0.02416	(16121524)	480928.74	3767778.61	0.02401	(15010124)
480948.74	3767778.61	0.02382	(15010124)	480968.74	3767778.61	0.02304	(15010124)
480988.74	3767778.61	0.02201	(14111124)	481008.74	3767778.61	0.02208	(14111124)
481028.74	3767778.61	0.02182	(14111124)	481048.74	3767778.61	0.02105	(14111124)
481068.74	3767778.61	0.01992	(14111324)	481088.74	3767778.61	0.02080	(12121808)
481108.74	3767778.61	0.02229	(12121808)	481128.74	3767778.61	0.02331	(12121808)
481148.74	3767778.61	0.02382	(12121808)	480748.74	3767798.61	0.03298	(12032808)
480768.74	3767798.61	0.02956	(12032808)	480788.74	3767798.61	0.02572	(12032808)
480808.74	3767798.61	0.02177	(12032808)	480828.74	3767798.61	0.02242	(16121524)
480848.74	3767798.61	0.02346	(16121524)	480868.74	3767798.61	0.02425	(16121524)

480888.74	3767798.61	0.02469	(16121524)	480908.74	3767798.61	0.02467	(16121524)
480928.74	3767798.61	0.02422	(15010124)	480948.74	3767798.61	0.02349	(15010124)
480968.74	3767798.61	0.02239	(15010124)	480988.74	3767798.61	0.02230	(14111124)
481008.74	3767798.61	0.02197	(14111124)	481028.74	3767798.61	0.02139	(14111124)
481048.74	3767798.61	0.02040	(14111324)	481068.74	3767798.61	0.02147	(12121808)
481088.74	3767798.61	0.02299	(12121808)	481108.74	3767798.61	0.02404	(12121808)
481128.74	3767798.61	0.02454	(12121808)	481148.74	3767798.61	0.02446	(12121808)
480748.74	3767818.61	0.02414	(12032808)	480768.74	3767818.61	0.02083	(12032808)
480788.74	3767818.61	0.02000	(16121524)	480808.74	3767818.61	0.02140	(16121524)
480828.74	3767818.61	0.02234	(16121524)	480848.74	3767818.61	0.02279	(16121524)
480868.74	3767818.61	0.02325	(12090508)	480888.74	3767818.61	0.02508	(16121524)
480908.74	3767818.61	0.02491	(15010124)	480928.74	3767818.61	0.02424	(15010124)
480948.74	3767818.61	0.02309	(15010124)	480968.74	3767818.61	0.02265	(14111124)
480988.74	3767818.61	0.02240	(14111124)	481008.74	3767818.61	0.02171	(14111124)
481028.74	3767818.61	0.02078	(14111324)	481048.74	3767818.61	0.02214	(12121808)
481068.74	3767818.61	0.02371	(12121808)	481088.74	3767818.61	0.02472	(12121808)
481108.74	3767818.61	0.02527	(12121808)	481128.74	3767818.61	0.02518	(12121808)
481148.74	3767818.61	0.02448	(12121808)	480748.74	3767838.61	0.01986	(16012724)
480768.74	3767838.61	0.01949	(16121524)	480788.74	3767838.61	0.02085	(16121524)
480808.74	3767838.61	0.02179	(16121524)	480828.74	3767838.61	0.02276	(16121524)
480848.74	3767838.61	0.02373	(16121524)	480868.74	3767838.61	0.02391	(12090508)
480888.74	3767838.61	0.02356	(12090508)	480908.74	3767838.61	0.02240	(12090508)
480928.74	3767838.61	0.02406	(15010124)	480948.74	3767838.61	0.02308	(14111124)
480968.74	3767838.61	0.02267	(14111124)	480988.74	3767838.61	0.02228	(14111124)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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481008.74	3767838.61	0.02133	(14111324)	481028.74	3767838.61	0.02275	(12121808)
481048.74	3767838.61	0.02439	(12121808)	481068.74	3767838.61	0.02547	(12121808)
481088.74	3767838.61	0.02587	(12121808)	481108.74	3767838.61	0.02584	(12121808)
481128.74	3767838.61	0.02515	(12121808)	481148.74	3767838.61	0.02388	(12121808)
480748.74	3767858.61	0.01843	(16121524)	480768.74	3767858.61	0.01970	(16121524)
480788.74	3767858.61	0.02058	(16121524)	480808.74	3767858.61	0.02162	(12090508)
480828.74	3767858.61	0.02337	(12090508)	480848.74	3767858.61	0.02435	(16121524)
480868.74	3767858.61	0.02417	(12090508)	480888.74	3767858.61	0.02322	(12090508)
480908.74	3767858.61	0.02182	(15010124)	480928.74	3767858.61	0.02375	(15010124)
480948.74	3767858.61	0.02369	(14111124)	480968.74	3767858.61	0.02286	(14111124)
480988.74	3767858.61	0.02183	(14111324)	481008.74	3767858.61	0.02345	(12121808)

481028.74	3767858.61	0.02511	(12121808)	481048.74	3767858.61	0.02631	(12121808)
481068.74	3767858.61	0.02683	(12121808)	481088.74	3767858.61	0.02659	(12121808)
481108.74	3767858.61	0.02581	(12121808)	481128.74	3767858.61	0.02449	(12121808)
481148.74	3767858.61	0.02273	(12121808)	480748.74	3767878.61	0.01868	(16121524)
480768.74	3767878.61	0.01954	(16121524)	480788.74	3767878.61	0.02116	(12090508)
480808.74	3767878.61	0.02326	(12090508)	480828.74	3767878.61	0.02449	(12090508)
480848.74	3767878.61	0.02473	(12090508)	480868.74	3767878.61	0.02402	(12090508)
480888.74	3767878.61	0.02314	(15010124)	480908.74	3767878.61	0.02170	(14111124)
480928.74	3767878.61	0.02416	(14111124)	480948.74	3767878.61	0.02370	(14111124)
480968.74	3767878.61	0.02268	(14111124)	480988.74	3767878.61	0.02419	(12121808)
481008.74	3767878.61	0.02584	(12121808)	481028.74	3767878.61	0.02709	(12121808)
481048.74	3767878.61	0.02762	(12121808)	481068.74	3767878.61	0.02742	(12121808)
481088.74	3767878.61	0.02651	(12121808)	481108.74	3767878.61	0.02516	(12121808)
481128.74	3767878.61	0.02334	(12121808)	481148.74	3767878.61	0.02119	(12121808)
480748.74	3767898.61	0.01841	(16121524)	480768.74	3767898.61	0.02054	(12090508)
480788.74	3767898.61	0.02299	(12090508)	480808.74	3767898.61	0.02461	(12090508)
480828.74	3767898.61	0.02522	(12090508)	480848.74	3767898.61	0.02481	(12090508)
480868.74	3767898.61	0.02343	(12090508)	480888.74	3767898.61	0.02292	(15010124)
480908.74	3767898.61	0.02221	(14111124)	480928.74	3767898.61	0.02126	(14111124)
480948.74	3767898.61	0.02324	(14111324)	480968.74	3767898.61	0.02510	(12121808)
480988.74	3767898.61	0.02676	(12121808)	481008.74	3767898.61	0.02788	(12121808)
481028.74	3767898.61	0.02851	(12121808)	481048.74	3767898.61	0.02820	(12121808)
481068.74	3767898.61	0.02723	(12121808)	481088.74	3767898.61	0.02571	(12121808)
481108.74	3767898.61	0.02394	(12121808)	481128.74	3767898.61	0.02198	(16122208)
481148.74	3767898.61	0.02223	(16122208)	480748.74	3767918.61	0.01985	(12090508)
480768.74	3767918.61	0.02262	(12090508)	480788.74	3767918.61	0.02459	(12090508)
480808.74	3767918.61	0.02559	(12090508)	480828.74	3767918.61	0.02551	(12090508)
480848.74	3767918.61	0.02439	(12090508)	480868.74	3767918.61	0.02239	(12090508)
480888.74	3767918.61	0.02337	(14111124)	480908.74	3767918.61	0.02241	(14111124)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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480928.74	3767918.61	0.02337	(12121808)	480948.74	3767918.61	0.02589	(12121808)
480968.74	3767918.61	0.02784	(12121808)	480988.74	3767918.61	0.02890	(12121808)
481008.74	3767918.61	0.02926	(12121808)	481028.74	3767918.61	0.02894	(12121808)
481048.74	3767918.61	0.02812	(12121808)	481068.74	3767918.61	0.02660	(12121808)
481088.74	3767918.61	0.02452	(12121808)	481108.74	3767918.61	0.02273	(16122208)
481128.74	3767918.61	0.02317	(12030108)	481148.74	3767918.61	0.02448	(12030108)



480748.74	3767938.61	0.02211 (12090508)	480768.74	3767938.61	0.02448 (12090508)
480788.74	3767938.61	0.02584 (12090508)	480808.74	3767938.61	0.02612 (12090508)
480828.74	3767938.61	0.02530 (12090508)	480848.74	3767938.61	0.02350 (12090508)
480868.74	3767938.61	0.02243 (14111124)	480888.74	3767938.61	0.02169 (12121808)
480908.74	3767938.61	0.02436 (12121808)	480928.74	3767938.61	0.02624 (12121808)
480948.74	3767938.61	0.02872 (12121808)	480968.74	3767938.61	0.03012 (12121808)
480988.74	3767938.61	0.03045 (12121808)	481008.74	3767938.61	0.02999 (12121808)
481028.74	3767938.61	0.02883 (12121808)	481048.74	3767938.61	0.02739 (12121808)
481068.74	3767938.61	0.02529 (12121808)	481088.74	3767938.61	0.02378 (16122208)
481108.74	3767938.61	0.02463 (12030108)	481128.74	3767938.61	0.02584 (12030108)
481148.74	3767938.61	0.02659 (12030108)			

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

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INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3

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X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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(YYMMDDHH)

479934.32	3768767.78	0.01721 (14120324)	479954.32	3768767.78	0.01817 (14120324)
479974.32	3768767.78	0.01900 (14120324)	479994.32	3768767.78	0.01996m (13112124)
480014.32	3768767.78	0.02182m (13112124)	480034.32	3768767.78	0.02366m (13112124)
480054.32	3768767.78	0.02550m (13112124)	480074.32	3768767.78	0.02731m (13112124)
480094.32	3768767.78	0.02907m (13112124)	480114.32	3768767.78	0.03058m (13112124)
480134.32	3768767.78	0.03176m (13112124)	480154.32	3768767.78	0.03257m (13112124)
480174.32	3768767.78	0.03300m (13112124)	480194.32	3768767.78	0.03292m (13112124)
480214.32	3768767.78	0.03217m (13112124)	480234.32	3768767.78	0.03199 (14122324)
480254.32	3768767.78	0.03123 (14122324)	480274.32	3768767.78	0.03117 (13121924)
480294.32	3768767.78	0.03435 (13121924)	480314.32	3768767.78	0.03674 (13121924)
479934.32	3768787.78	0.01730 (14120324)	479954.32	3768787.78	0.01804 (14120324)
479974.32	3768787.78	0.01888m (13112124)	479994.32	3768787.78	0.02049m (13112124)
480014.32	3768787.78	0.02214m (13112124)	480034.32	3768787.78	0.02370m (13112124)
480054.32	3768787.78	0.02520m (13112124)	480074.32	3768787.78	0.02657m (13112124)
480094.32	3768787.78	0.02778m (13112124)	480114.32	3768787.78	0.02877m (13112124)
480134.32	3768787.78	0.02943m (13112124)	480154.32	3768787.78	0.02965m (13112124)
480174.32	3768787.78	0.02950m (13112124)	480194.32	3768787.78	0.02890m (13112124)
480214.32	3768787.78	0.02874 (14122324)	480234.32	3768787.78	0.02813 (14122324)
480254.32	3768787.78	0.02700 (14122324)	480274.32	3768787.78	0.02958 (13121924)
480294.32	3768787.78	0.03204 (13121924)	480314.32	3768787.78	0.03369 (13121924)
479934.32	3768807.78	0.01706 (14120324)	479954.32	3768807.78	0.01792m (13112124)
479974.32	3768807.78	0.01929m (13112124)	479994.32	3768807.78	0.02068m (13112124)
480014.32	3768807.78	0.02205m (13112124)	480034.32	3768807.78	0.02334m (13112124)
480054.32	3768807.78	0.02449m (13112124)	480074.32	3768807.78	0.02545m (13112124)

480094.32	3768807.78	0.02618m (13112124)	480114.32	3768807.78	0.02670m (13112124)
480134.32	3768807.78	0.02689m (13112124)	480154.32	3768807.78	0.02664m (13112124)
480174.32	3768807.78	0.02608m (13112124)	480194.32	3768807.78	0.02607 (14122324)
480214.32	3768807.78	0.02561 (14122324)	480234.32	3768807.78	0.02469 (14122324)
480254.32	3768807.78	0.02550 (13121924)	480274.32	3768807.78	0.02795 (13121924)
480294.32	3768807.78	0.02981 (13121924)	480314.32	3768807.78	0.03087 (13121924)
479934.32	3768827.78	0.01698m (13112124)	479954.32	3768827.78	0.01822m (13112124)
479974.32	3768827.78	0.01941m (13112124)	479994.32	3768827.78	0.02054m (13112124)
480014.32	3768827.78	0.02162m (13112124)	480034.32	3768827.78	0.02263m (13112124)
480054.32	3768827.78	0.02344m (13112124)	480074.32	3768827.78	0.02402m (13112124)
480094.32	3768827.78	0.02436m (13112124)	480114.32	3768827.78	0.02447m (13112124)
480134.32	3768827.78	0.02427m (13112124)	480154.32	3768827.78	0.02370m (13112124)
480174.32	3768827.78	0.02371 (14122324)	480194.32	3768827.78	0.02344 (14122324)
480214.32	3768827.78	0.02273 (14122324)	480234.32	3768827.78	0.02216 (13121924)
480254.32	3768827.78	0.02439 (13121924)	480274.32	3768827.78	0.02634 (13121924)
480294.32	3768827.78	0.02768 (13121924)	480314.32	3768827.78	0.02829 (13121924)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
(YYMMDDHH)					(YYMMDDHH)

479934.32	3768847.78	0.01718m (13112124)	479954.32	3768847.78	0.01822m (13112124)
479974.32	3768847.78	0.01924m (13112124)	479994.32	3768847.78	0.02015m (13112124)
480014.32	3768847.78	0.02094m (13112124)	480034.32	3768847.78	0.02160m (13112124)
480054.32	3768847.78	0.02210m (13112124)	480074.32	3768847.78	0.02239m (13112124)
480094.32	3768847.78	0.02239m (13112124)	480114.32	3768847.78	0.02215m (13112124)
480134.32	3768847.78	0.02164m (13112124)	480154.32	3768847.78	0.02166 (14122324)
480174.32	3768847.78	0.02149 (14122324)	480194.32	3768847.78	0.02100 (14122324)
480214.32	3768847.78	0.02013 (14122324)	480234.32	3768847.78	0.02140 (13121924)
480254.32	3768847.78	0.02323 (13121924)	480274.32	3768847.78	0.02475 (13121924)
480294.32	3768847.78	0.02568 (13121924)	480314.32	3768847.78	0.02594 (13121924)
479652.30	3768393.13	0.00958 (14121824)	479672.30	3768393.13	0.00993 (14121824)
479692.30	3768393.13	0.01030 (14121824)	479712.30	3768393.13	0.01069 (14121824)
479732.30	3768393.13	0.01113 (14121824)	479612.30	3768413.13	0.00865 (14121824)
479632.30	3768413.13	0.00897 (14121824)	479652.30	3768413.13	0.00931 (14121824)
479672.30	3768413.13	0.00967 (14121824)	479692.30	3768413.13	0.01005 (14121824)
479712.30	3768413.13	0.01046 (14121824)	479732.30	3768413.13	0.01093 (14121824)
479552.30	3768433.13	0.00757 (14012424)	479572.30	3768433.13	0.00779 (14012424)
479592.30	3768433.13	0.00802 (12012724)	479612.30	3768433.13	0.00828 (12012724)
479632.30	3768433.13	0.00858 (14121824)	479652.30	3768433.13	0.00891 (14121824)

479672.30	3768433.13	0.00926	(14121824)	479692.30	3768433.13	0.00965	(14121824)
479712.30	3768433.13	0.01009	(14121824)	479732.30	3768433.13	0.01056	(14121824)
479552.30	3768453.13	0.00824	(14012424)	479572.30	3768453.13	0.00848	(14012424)
479592.30	3768453.13	0.00872	(14012424)	479612.30	3768453.13	0.00898	(14012424)
479632.30	3768453.13	0.00927	(13121324)	479652.30	3768453.13	0.00959	(13121324)
479672.30	3768453.13	0.00995	(13121324)	479692.30	3768453.13	0.01032	(13121324)
479712.30	3768453.13	0.01072	(13121324)	479732.30	3768453.13	0.01117	(13121324)
479949.57	3767989.85	0.00869	(12012024)	479969.57	3767989.85	0.00951	(12012024)
479989.57	3767989.85	0.01030	(12012024)	480009.57	3767989.85	0.01102	(12012024)
480029.57	3767989.85	0.01165	(12012024)	480049.57	3767989.85	0.01214	(12012024)
480069.57	3767989.85	0.01246	(12012024)	480089.57	3767989.85	0.01259	(12012024)
480109.57	3767989.85	0.01253	(12012024)	480129.57	3767989.85	0.01228	(12012024)
479949.57	3768009.85	0.00835	(12012024)	479969.57	3768009.85	0.00924	(12012024)
479989.57	3768009.85	0.01012	(12012024)	480009.57	3768009.85	0.01096	(12012024)
480029.57	3768009.85	0.01173	(12012024)	480049.57	3768009.85	0.01239	(12012024)
480069.57	3768009.85	0.01289	(12012024)	480089.57	3768009.85	0.01319	(12012024)
480109.57	3768009.85	0.01328	(12012024)	480129.57	3768009.85	0.01315	(12012024)
479949.57	3768029.85	0.00844	(12010624)	479969.57	3768029.85	0.00889	(12012024)
479989.57	3768029.85	0.00986	(12012024)	480009.57	3768029.85	0.01082	(12012024)
480029.57	3768029.85	0.01173	(12012024)	480049.57	3768029.85	0.01255	(12012024)
480069.57	3768029.85	0.01323	(12012024)	480089.57	3768029.85	0.01374	(12012024)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
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480109.57	3768029.85	0.01402	(12012024)	480129.57	3768029.85	0.01405	(12012024)
479949.57	3768049.85	0.00951	(12010624)	479969.57	3768049.85	0.00907	(12010624)
479989.57	3768049.85	0.00951	(12012024)	480009.57	3768049.85	0.01056	(12012024)
480029.57	3768049.85	0.01161	(12012024)	480049.57	3768049.85	0.01259	(12012024)
480069.57	3768049.85	0.01347	(12012024)	480089.57	3768049.85	0.01419	(12012024)
480109.57	3768049.85	0.01470	(12012024)	480129.57	3768049.85	0.01494	(12012024)
479949.57	3768069.85	0.01052	(12010624)	479969.57	3768069.85	0.01022	(12010624)
479989.57	3768069.85	0.00977	(12010624)	480009.57	3768069.85	0.01020	(12012024)
480029.57	3768069.85	0.01135	(12012024)	480049.57	3768069.85	0.01249	(12012024)
480069.57	3768069.85	0.01356	(12012024)	480089.57	3768069.85	0.01451	(12012024)
480109.57	3768069.85	0.01526	(12012024)	480129.57	3768069.85	0.01576	(12012024)
479949.57	3768089.85	0.01142	(12010624)	479969.57	3768089.85	0.01129	(12010624)
479989.57	3768089.85	0.01101	(12010624)	480009.57	3768089.85	0.01055	(12010624)
480029.57	3768089.85	0.01097	(12012024)	480049.57	3768089.85	0.01224	(12012024)

480069.57	3768089.85	0.01349	(12012024)	480089.57	3768089.85	0.01469	(12012024)
480109.57	3768089.85	0.01572	(12012024)	480129.57	3768089.85	0.01651	(12012024)
479949.57	3768109.85	0.01213	(12010624)	479969.57	3768109.85	0.01223	(12010624)
479989.57	3768109.85	0.01215	(12010624)	480009.57	3768109.85	0.01188	(12010624)
480029.57	3768109.85	0.01144	(12010624)	480049.57	3768109.85	0.01185	(12012024)
480069.57	3768109.85	0.01326	(12012024)	480089.57	3768109.85	0.01470	(12012024)
480109.57	3768109.85	0.01602	(12012024)	480129.57	3768109.85	0.01711	(12012024)
479949.57	3768129.85	0.01260	(12010624)	479969.57	3768129.85	0.01294	(12010624)
479989.57	3768129.85	0.01312	(12010624)	480009.57	3768129.85	0.01310	(12010624)
480029.57	3768129.85	0.01292	(12010624)	480049.57	3768129.85	0.01250	(12010624)
480069.57	3768129.85	0.01290	(12012024)	480089.57	3768129.85	0.01449	(12012024)
480109.57	3768129.85	0.01604	(12012024)	480129.57	3768129.85	0.01745	(12012024)
479949.57	3768149.85	0.01279	(12010624)	479969.57	3768149.85	0.01338	(12010624)
479989.57	3768149.85	0.01384	(12010624)	480009.57	3768149.85	0.01415	(12010624)
480029.57	3768149.85	0.01425	(12010624)	480049.57	3768149.85	0.01409	(12010624)
480069.57	3768149.85	0.01366	(12010624)	480089.57	3768149.85	0.01407	(12012024)
480109.57	3768149.85	0.01584	(12012024)	480129.57	3768149.85	0.01760	(12012024)
479949.57	3768169.85	0.01265	(12010624)	479969.57	3768169.85	0.01348	(12010624)
479989.57	3768169.85	0.01424	(12010624)	480009.57	3768169.85	0.01490	(12010624)
480029.57	3768169.85	0.01530	(12010624)	480049.57	3768169.85	0.01547	(12010624)
480069.57	3768169.85	0.01536	(12010624)	480089.57	3768169.85	0.01497	(12010624)
480109.57	3768169.85	0.01543	(12012024)	480129.57	3768169.85	0.01750	(12012024)
480748.74	3767538.61	0.01008	(12032824)	480768.74	3767538.61	0.01074	(12032824)
480788.74	3767538.61	0.01106	(12032824)	480808.74	3767538.61	0.01098	(12032824)
480828.74	3767538.61	0.01052	(12032824)	480848.74	3767538.61	0.00977	(12032824)
480868.74	3767538.61	0.00890	(12032824)	480888.74	3767538.61	0.00791	(12032824)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
(YYMMDDHH)						

480908.74	3767538.61	0.00683	(12032824)	480928.74	3767538.61	0.00571	(12032824)
480948.74	3767538.61	0.00565	(15101624)	480968.74	3767538.61	0.00603	(15101624)
480988.74	3767538.61	0.00631	(15101624)	481008.74	3767538.61	0.00647	(15101624)
481028.74	3767538.61	0.00671	(16121524)	481048.74	3767538.61	0.00694	(16121524)
481068.74	3767538.61	0.00702	(16121524)	481088.74	3767538.61	0.00696	(16121524)
481108.74	3767538.61	0.00682	(15010124)	481128.74	3767538.61	0.00662	(15010124)
481148.74	3767538.61	0.00628	(15010124)	480748.74	3767558.61	0.01057	(12032824)
480768.74	3767558.61	0.01112	(12032824)	480788.74	3767558.61	0.01130	(12032824)
480808.74	3767558.61	0.01110	(12032824)	480828.74	3767558.61	0.01053	(12032824)

480848.74	3767558.61	0.00966	(12032824)	480868.74	3767558.61	0.00868	(12032824)
480888.74	3767558.61	0.00761	(12032824)	480908.74	3767558.61	0.00647	(12032824)
480928.74	3767558.61	0.00575	(15101624)	480948.74	3767558.61	0.00614	(15101624)
480968.74	3767558.61	0.00647	(15101624)	480988.74	3767558.61	0.00655	(15101624)
481008.74	3767558.61	0.00678	(16121524)	481028.74	3767558.61	0.00707	(16121524)
481048.74	3767558.61	0.00720	(16121524)	481068.74	3767558.61	0.00718	(16121524)
481088.74	3767558.61	0.00705	(15010124)	481108.74	3767558.61	0.00688	(15010124)
481128.74	3767558.61	0.00657	(15010124)	481148.74	3767558.61	0.00615	(15010124)
480748.74	3767578.61	0.01104	(12032824)	480768.74	3767578.61	0.01148	(12032824)
480788.74	3767578.61	0.01152	(12032824)	480808.74	3767578.61	0.01118	(12032824)
480828.74	3767578.61	0.01049	(12032824)	480848.74	3767578.61	0.00950	(12032824)
480868.74	3767578.61	0.00842	(12032824)	480888.74	3767578.61	0.00728	(12032824)
480908.74	3767578.61	0.00609	(12032824)	480928.74	3767578.61	0.00600	(15101624)
480948.74	3767578.61	0.00633	(15101624)	480968.74	3767578.61	0.00662	(15101624)
480988.74	3767578.61	0.00683	(16121524)	481008.74	3767578.61	0.00717	(16121524)
481028.74	3767578.61	0.00736	(16121524)	481048.74	3767578.61	0.00740	(16121524)
481068.74	3767578.61	0.00727	(15010124)	481088.74	3767578.61	0.00713	(15010124)
481108.74	3767578.61	0.00686	(15010124)	481128.74	3767578.61	0.00645	(15010124)
481148.74	3767578.61	0.00637	(14111124)	480748.74	3767598.61	0.01149	(12032824)
480768.74	3767598.61	0.01182	(12032824)	480788.74	3767598.61	0.01170	(12032824)
480808.74	3767598.61	0.01121	(12032824)	480828.74	3767598.61	0.01038	(12032824)
480848.74	3767598.61	0.00928	(12032824)	480868.74	3767598.61	0.00812	(12032824)
480888.74	3767598.61	0.00691	(12032824)	480908.74	3767598.61	0.00589	(15101624)
480928.74	3767598.61	0.00610	(15101624)	480948.74	3767598.61	0.00640	(16121524)
480968.74	3767598.61	0.00688	(16121524)	480988.74	3767598.61	0.00727	(16121524)
481008.74	3767598.61	0.00751	(16121524)	481028.74	3767598.61	0.00760	(16121524)
481048.74	3767598.61	0.00751	(16121524)	481068.74	3767598.61	0.00739	(15010124)
481088.74	3767598.61	0.00714	(15010124)	481108.74	3767598.61	0.00676	(15010124)
481128.74	3767598.61	0.00651	(14111124)	481148.74	3767598.61	0.00654	(14111124)
480748.74	3767618.61	0.01185	(12032824)	480768.74	3767618.61	0.01204	(12032824)
480788.74	3767618.61	0.01176	(12032824)	480808.74	3767618.61	0.01112	(12032824)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
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480828.74	3767618.61	0.01015	(12032824)	480848.74	3767618.61	0.00895	(12032824)
480868.74	3767618.61	0.00774	(12032824)	480888.74	3767618.61	0.00652	(12032824)
480908.74	3767618.61	0.00589	(15101624)	480928.74	3767618.61	0.00640	(16121524)
480948.74	3767618.61	0.00692	(16121524)	480968.74	3767618.61	0.00735	(16121524)

480988.74	3767618.61	0.00765	(16121524)	481008.74	3767618.61	0.00779	(16121524)
481028.74	3767618.61	0.00776	(16121524)	481048.74	3767618.61	0.00764	(15010124)
481068.74	3767618.61	0.00743	(15010124)	481088.74	3767618.61	0.00707	(15010124)
481108.74	3767618.61	0.00665	(14111124)	481128.74	3767618.61	0.00671	(14111124)
481148.74	3767618.61	0.00664	(14111124)	480748.74	3767638.61	0.01207	(12032824)
480768.74	3767638.61	0.01209	(12032824)	480788.74	3767638.61	0.01165	(12032824)
480808.74	3767638.61	0.01083	(12032824)	480828.74	3767638.61	0.00974	(12032824)
480848.74	3767638.61	0.00851	(12032824)	480868.74	3767638.61	0.00729	(12032824)
480888.74	3767638.61	0.00610	(12032824)	480908.74	3767638.61	0.00641	(16121524)
480928.74	3767638.61	0.00695	(16121524)	480948.74	3767638.61	0.00742	(16121524)
480968.74	3767638.61	0.00776	(16121524)	480988.74	3767638.61	0.00797	(16121524)
481008.74	3767638.61	0.00800	(16121524)	481028.74	3767638.61	0.00789	(15010124)
481048.74	3767638.61	0.00772	(15010124)	481068.74	3767638.61	0.00739	(15010124)
481088.74	3767638.61	0.00693	(15010124)	481108.74	3767638.61	0.00688	(14111124)
481128.74	3767638.61	0.00682	(14111124)	481148.74	3767638.61	0.00664	(14111124)
480748.74	3767658.61	0.01212	(12032824)	480768.74	3767658.61	0.01193	(12032824)
480788.74	3767658.61	0.01135	(12032824)	480808.74	3767658.61	0.01029	(12032824)
480828.74	3767658.61	0.00911	(12032824)	480848.74	3767658.61	0.00795	(12032824)
480868.74	3767658.61	0.00677	(12032824)	480888.74	3767658.61	0.00641	(16121524)
480908.74	3767658.61	0.00697	(16121524)	480928.74	3767658.61	0.00748	(16121524)
480948.74	3767658.61	0.00788	(16121524)	480968.74	3767658.61	0.00811	(16121524)
480988.74	3767658.61	0.00821	(16121524)	481008.74	3767658.61	0.00814	(15010124)
481028.74	3767658.61	0.00801	(15010124)	481048.74	3767658.61	0.00772	(15010124)
481068.74	3767658.61	0.00727	(15010124)	481088.74	3767658.61	0.00708	(14111124)
481108.74	3767658.61	0.00702	(14111124)	481128.74	3767658.61	0.00683	(14111124)
481148.74	3767658.61	0.00654	(14111124)	480748.74	3767678.61	0.01207	(12032824)
480768.74	3767678.61	0.01183	(12032824)	480788.74	3767678.61	0.01112	(12032824)
480808.74	3767678.61	0.00991	(12032824)	480828.74	3767678.61	0.00859	(12032824)
480848.74	3767678.61	0.00730	(12032824)	480868.74	3767678.61	0.00633	(16121524)
480888.74	3767678.61	0.00692	(16121524)	480908.74	3767678.61	0.00747	(16121524)
480928.74	3767678.61	0.00795	(16121524)	480948.74	3767678.61	0.00828	(16121524)
480968.74	3767678.61	0.00843	(16121524)	480988.74	3767678.61	0.00838	(15010124)
481008.74	3767678.61	0.00830	(15010124)	481028.74	3767678.61	0.00805	(15010124)
481048.74	3767678.61	0.00763	(15010124)	481068.74	3767678.61	0.00726	(14111124)
481088.74	3767678.61	0.00724	(14111124)	481108.74	3767678.61	0.00707	(14111124)
481128.74	3767678.61	0.00677	(14111124)	481148.74	3767678.61	0.00645	(14111324)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

480748.74	3767698.61	0.01202	(12032824)	480768.74	3767698.61	0.01162	(12032824)
480788.74	3767698.61	0.01078	(12032824)	480808.74	3767698.61	0.00946	(12032824)
480828.74	3767698.61	0.00812	(12032824)	480848.74	3767698.61	0.00685	(12032824)
480868.74	3767698.61	0.00682	(16121524)	480888.74	3767698.61	0.00739	(16121524)
480908.74	3767698.61	0.00789	(16121524)	480928.74	3767698.61	0.00832	(16121524)
480948.74	3767698.61	0.00857	(16121524)	480968.74	3767698.61	0.00861	(16121524)
480988.74	3767698.61	0.00858	(15010124)	481008.74	3767698.61	0.00838	(15010124)
481028.74	3767698.61	0.00800	(15010124)	481048.74	3767698.61	0.00746	(15010124)
481068.74	3767698.61	0.00747	(14111124)	481088.74	3767698.61	0.00732	(14111124)
481108.74	3767698.61	0.00702	(14111124)	481128.74	3767698.61	0.00664	(14111324)
481148.74	3767698.61	0.00697	(14111324)	480748.74	3767718.61	0.01197	(12032824)
480768.74	3767718.61	0.01131	(12032824)	480788.74	3767718.61	0.01037	(12032824)
480808.74	3767718.61	0.00899	(12032824)	480828.74	3767718.61	0.00768	(12032824)
480848.74	3767718.61	0.00677	(16121524)	480868.74	3767718.61	0.00733	(15010124)
480888.74	3767718.61	0.00782	(15010124)	480908.74	3767718.61	0.00826	(16121524)
480928.74	3767718.61	0.00858	(15010124)	480948.74	3767718.61	0.00878	(15010124)
480968.74	3767718.61	0.00882	(15010124)	480988.74	3767718.61	0.00868	(15010124)
481008.74	3767718.61	0.00836	(15010124)	481028.74	3767718.61	0.00786	(15010124)
481048.74	3767718.61	0.00770	(14111124)	481068.74	3767718.61	0.00759	(14111124)
481088.74	3767718.61	0.00731	(14111124)	481108.74	3767718.61	0.00687	(14111124)
481128.74	3767718.61	0.00719	(14111324)	481148.74	3767718.61	0.00743	(14111324)
480748.74	3767738.61	0.01171	(12032824)	480768.74	3767738.61	0.01093	(12032824)
480788.74	3767738.61	0.00990	(12032824)	480808.74	3767738.61	0.00864	(12032824)
480828.74	3767738.61	0.00731	(12032824)	480848.74	3767738.61	0.00746	(15010124)
480868.74	3767738.61	0.00795	(15010124)	480888.74	3767738.61	0.00839	(15010124)
480908.74	3767738.61	0.00873	(15010124)	480928.74	3767738.61	0.00896	(15010124)
480948.74	3767738.61	0.00905	(15010124)	480968.74	3767738.61	0.00897	(15010124)
480988.74	3767738.61	0.00870	(15010124)	481008.74	3767738.61	0.00826	(15010124)
481028.74	3767738.61	0.00786	(14111124)	481048.74	3767738.61	0.00781	(14111124)
481068.74	3767738.61	0.00757	(14111124)	481088.74	3767738.61	0.00717	(14111124)
481108.74	3767738.61	0.00742	(14111324)	481128.74	3767738.61	0.00767	(14111324)
481148.74	3767738.61	0.00780	(14111324)	480748.74	3767758.61	0.01163	(12032824)
480768.74	3767758.61	0.01071	(12032824)	480788.74	3767758.61	0.00957	(12032824)
480808.74	3767758.61	0.00832	(12032824)	480828.74	3767758.61	0.00745	(15010124)
480848.74	3767758.61	0.00810	(15010124)	480868.74	3767758.61	0.00856	(15010124)
480888.74	3767758.61	0.00894	(15010124)	480908.74	3767758.61	0.00918	(15010124)
480928.74	3767758.61	0.00930	(15010124)	480948.74	3767758.61	0.00927	(15010124)
480968.74	3767758.61	0.00906	(15010124)	480988.74	3767758.61	0.00865	(15010124)
481008.74	3767758.61	0.00809	(15010124)	481028.74	3767758.61	0.00799	(14111124)
481048.74	3767758.61	0.00781	(14111124)	481068.74	3767758.61	0.00744	(14111124)

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
---------------------------	-------------	--------------------	------------	-------------	-------------	------

481088.74	3767758.61	0.00766	(14111324)	481108.74	3767758.61	0.00792 (14111324)
481128.74	3767758.61	0.00806	(14111324)	481148.74	3767758.61	0.00808 (14111324)
480748.74	3767778.61	0.01161	(12032824)	480768.74	3767778.61	0.01054 (12032824)
480788.74	3767778.61	0.00929	(12032824)	480808.74	3767778.61	0.00796 (12032824)
480828.74	3767778.61	0.00815	(15010124)	480848.74	3767778.61	0.00874 (15010124)
480868.74	3767778.61	0.00916	(15010124)	480888.74	3767778.61	0.00946 (15010124)
480908.74	3767778.61	0.00959	(15010124)	480928.74	3767778.61	0.00959 (15010124)
480948.74	3767778.61	0.00942	(15010124)	480968.74	3767778.61	0.00907 (15010124)
480988.74	3767778.61	0.00852	(15010124)	481008.74	3767778.61	0.00813 (14111124)
481028.74	3767778.61	0.00800	(14111124)	481048.74	3767778.61	0.00769 (14111124)
481068.74	3767778.61	0.00792	(14111324)	481088.74	3767778.61	0.00818 (14111324)
481108.74	3767778.61	0.00831	(14111324)	481128.74	3767778.61	0.00833 (14111324)
481148.74	3767778.61	0.00824	(14111324)	480748.74	3767798.61	0.01113 (12032824)
480768.74	3767798.61	0.00999	(12032824)	480788.74	3767798.61	0.00870 (12032824)
480808.74	3767798.61	0.00828	(15010124)	480828.74	3767798.61	0.00890 (15010124)
480848.74	3767798.61	0.00937	(15010124)	480868.74	3767798.61	0.00972 (15010124)
480888.74	3767798.61	0.00990	(15010124)	480908.74	3767798.61	0.00994 (15010124)
480928.74	3767798.61	0.00977	(15010124)	480948.74	3767798.61	0.00944 (15010124)
480968.74	3767798.61	0.00896	(15010124)	480988.74	3767798.61	0.00832 (15010124)
481008.74	3767798.61	0.00815	(14111124)	481028.74	3767798.61	0.00789 (14111124)
481048.74	3767798.61	0.00819	(14111324)	481068.74	3767798.61	0.00846 (14111324)
481088.74	3767798.61	0.00858	(14111324)	481108.74	3767798.61	0.00861 (14111324)
481128.74	3767798.61	0.00850	(14111324)	481148.74	3767798.61	0.00829 (12121824)
480748.74	3767818.61	0.00820	(12032824)	480768.74	3767818.61	0.00763 (15010124)
480788.74	3767818.61	0.00825	(15010124)	480808.74	3767818.61	0.00878 (15010124)
480828.74	3767818.61	0.00918	(15010124)	480848.74	3767818.61	0.00942 (15010124)
480868.74	3767818.61	0.00951	(15010124)	480888.74	3767818.61	0.01029 (15010124)
480908.74	3767818.61	0.01018	(15010124)	480928.74	3767818.61	0.00987 (15010124)
480948.74	3767818.61	0.00941	(15010124)	480968.74	3767818.61	0.00880 (15010124)
480988.74	3767818.61	0.00838	(14111124)	481008.74	3767818.61	0.00811 (14111324)
481028.74	3767818.61	0.00845	(14111324)	481048.74	3767818.61	0.00872 (14111324)
481068.74	3767818.61	0.00887	(14111324)	481088.74	3767818.61	0.00885 (14111324)
481108.74	3767818.61	0.00876	(14111324)	481128.74	3767818.61	0.00854 (12121824)
481148.74	3767818.61	0.00871	(16122224)	480748.74	3767838.61	0.00763 (15010124)
480768.74	3767838.61	0.00823	(15010124)	480788.74	3767838.61	0.00874 (15010124)
480808.74	3767838.61	0.00913	(15010124)	480828.74	3767838.61	0.00952 (15010124)
480848.74	3767838.61	0.00991	(15010124)	480868.74	3767838.61	0.00987 (15010124)
480888.74	3767838.61	0.00967	(15010124)	480908.74	3767838.61	0.00931 (15010124)
480928.74	3767838.61	0.00990	(15010124)	480948.74	3767838.61	0.00931 (15010124)
480968.74	3767838.61	0.00860	(15010124)	480988.74	3767838.61	0.00841 (14111324)

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE

GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,



VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC  
(YYMMDDHH)

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
481008.74	3767838.61	0.00876 (14111324)	481028.74	3767838.61	0.00898 (14111324)
481048.74	3767838.61	0.00914 (14111324)	481068.74	3767838.61	0.00915 (14111324)
481088.74	3767838.61	0.00899 (14111324)	481108.74	3767838.61	0.00877 (12121824)
481128.74	3767838.61	0.00910 (16122224)	481148.74	3767838.61	0.00970 (16122224)
480748.74	3767858.61	0.00823 (15010124)	480768.74	3767858.61	0.00868 (15010124)
480788.74	3767858.61	0.00902 (15010124)	480808.74	3767858.61	0.00922 (15010124)
480828.74	3767858.61	0.00981 (15010124)	480848.74	3767858.61	0.01031 (15010124)
480868.74	3767858.61	0.01017 (15010124)	480888.74	3767858.61	0.00984 (15010124)
480908.74	3767858.61	0.00936 (15010124)	480928.74	3767858.61	0.00986 (15010124)
480948.74	3767858.61	0.00914 (15010124)	480968.74	3767858.61	0.00874 (14111324)
480988.74	3767858.61	0.00907 (14111324)	481008.74	3767858.61	0.00931 (14111324)
481028.74	3767858.61	0.00945 (14111324)	481048.74	3767858.61	0.00949 (14111324)
481068.74	3767858.61	0.00936 (14111324)	481088.74	3767858.61	0.00906 (14111324)
481108.74	3767858.61	0.00946 (16122224)	481128.74	3767858.61	0.01006 (16122224)
481148.74	3767858.61	0.01057 (16122224)	480748.74	3767878.61	0.00856 (15010124)
480768.74	3767878.61	0.00887 (15010124)	480788.74	3767878.61	0.00906 (15010124)
480808.74	3767878.61	0.00912 (15010124)	480828.74	3767878.61	0.00966 (15010124)
480848.74	3767878.61	0.01008 (15010124)	480868.74	3767878.61	0.00976 (15010124)
480888.74	3767878.61	0.00993 (15010124)	480908.74	3767878.61	0.00934 (15010124)
480928.74	3767878.61	0.00973 (15010124)	480948.74	3767878.61	0.00910 (14111324)
480968.74	3767878.61	0.00945 (14111324)	480988.74	3767878.61	0.00967 (14111324)
481008.74	3767878.61	0.00978 (14111324)	481028.74	3767878.61	0.00982 (14111324)
481048.74	3767878.61	0.00969 (14111324)	481068.74	3767878.61	0.00939 (14111324)
481088.74	3767878.61	0.00985 (16122224)	481108.74	3767878.61	0.01049 (16122224)
481128.74	3767878.61	0.01104 (16122224)	481148.74	3767878.61	0.01145 (16122224)
480748.74	3767898.61	0.00869 (15010124)	480768.74	3767898.61	0.00888 (15010124)
480788.74	3767898.61	0.00957 (15010124)	480808.74	3767898.61	0.00954 (15010124)
480828.74	3767898.61	0.00939 (15010124)	480848.74	3767898.61	0.00912 (15010124)
480868.74	3767898.61	0.00987 (15010124)	480888.74	3767898.61	0.00993 (15010124)
480908.74	3767898.61	0.00924 (15010124)	480928.74	3767898.61	0.00905 (14111324)
480948.74	3767898.61	0.00984 (14111324)	480968.74	3767898.61	0.01011 (14111324)
480988.74	3767898.61	0.01020 (14111324)	481008.74	3767898.61	0.01017 (14111324)
481028.74	3767898.61	0.01005 (14111324)	481048.74	3767898.61	0.00972 (14111324)
481068.74	3767898.61	0.01022 (16122224)	481088.74	3767898.61	0.01075 (16122224)
481108.74	3767898.61	0.01147 (16122224)	481128.74	3767898.61	0.01202 (16122224)
481148.74	3767898.61	0.01231 (16122224)	480748.74	3767918.61	0.00865 (15010124)
480768.74	3767918.61	0.00941 (15010124)	480788.74	3767918.61	0.01005 (15010124)
480808.74	3767918.61	0.00993 (15010124)	480828.74	3767918.61	0.00967 (15010124)
480848.74	3767918.61	0.00930 (15010124)	480868.74	3767918.61	0.00991 (15010124)
480888.74	3767918.61	0.00986 (15010124)	480908.74	3767918.61	0.00949 (14111324)

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\*\*\* 05/20/22

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*

\*\*\* 14:10:18

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

GROUP: ALL \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE \*\*\*  
 INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,  
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,  
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,  
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , ... ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC  
 (YYMMDDHH)

480928.74	3767918.61	0.00970 (14111324)	480948.74	3767918.61	0.01052 (14111324)
480968.74	3767918.61	0.01068 (14111324)	480988.74	3767918.61	0.01061 (14111324)
481008.74	3767918.61	0.01040 (14111324)	481028.74	3767918.61	0.01005 (14111324)
481048.74	3767918.61	0.01071 (16122224)	481068.74	3767918.61	0.01137 (16122224)
481088.74	3767918.61	0.01182 (16122224)	481108.74	3767918.61	0.01226 (16122224)
481128.74	3767918.61	0.01257 (16122224)	481148.74	3767918.61	0.01270 (16122224)
480748.74	3767938.61	0.00922 (15010124)	480768.74	3767938.61	0.00993 (15010124)
480788.74	3767938.61	0.01051 (15010124)	480808.74	3767938.61	0.01027 (15010124)
480828.74	3767938.61	0.00990 (15010124)	480848.74	3767938.61	0.00944 (15010124)
480868.74	3767938.61	0.00989 (15010124)	480888.74	3767938.61	0.00961 (14111324)
480908.74	3767938.61	0.01019 (14111324)	480928.74	3767938.61	0.01029 (14111324)
480948.74	3767938.61	0.01112 (14111324)	480968.74	3767938.61	0.01113 (14111324)
480988.74	3767938.61	0.01089 (14111324)	481008.74	3767938.61	0.01049 (14111324)
481028.74	3767938.61	0.01101 (16122224)	481048.74	3767938.61	0.01185 (16122224)
481068.74	3767938.61	0.01250 (16122224)	481088.74	3767938.61	0.01284 (16122224)
481108.74	3767938.61	0.01306 (16122224)	481128.74	3767938.61	0.01306 (16122224)
481148.74	3767938.61	0.01284 (16122224)			

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\*\*\* MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* 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	0.00347 AT ( 480314.32, 3768767.78, 369.15, 369.15, 0.00) DC
	2ND HIGHEST VALUE IS	0.00335 AT ( 480294.32, 3768767.78, 369.00, 369.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.00324 AT ( 480274.32, 3768767.78, 368.99, 368.99, 0.00) DC
	4TH HIGHEST VALUE IS	0.00313 AT ( 480254.32, 3768767.78, 368.96, 368.96, 0.00) DC
	5TH HIGHEST VALUE IS	0.00309 AT ( 480314.32, 3768787.78, 369.15, 369.15, 0.00) DC
	6TH HIGHEST VALUE IS	0.00301 AT ( 480234.32, 3768767.78, 368.46, 368.46, 0.00) DC
	7TH HIGHEST VALUE IS	0.00300 AT ( 480294.32, 3768787.78, 369.00, 369.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.00291 AT ( 480274.32, 3768787.78, 368.87, 368.87, 0.00) DC

9TH HIGHEST VALUE IS 0.00290 AT ( 480214.32, 3768767.78, 368.00, 368.00, 0.00) DC  
10TH HIGHEST VALUE IS 0.00280 AT ( 480254.32, 3768787.78, 368.39, 368.39, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 1-HR RESULTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	DATE	AVERAGE CONC	NETWORK
ZFLAG) OF TYPE GRID-ID	(YYMMDDHH)	(YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL,

-----  
ALL HIGH 1ST HIGH VALUE IS 0.52342 ON 12100807: AT ( 480294.32, 3768767.78, 369.00, 369.00, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 8-HR RESULTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	DATE	AVERAGE CONC	NETWORK
ZFLAG) OF TYPE GRID-ID	(YYMMDDHH)	(YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL,

-----  
ALL HIGH 1ST HIGH VALUE IS 0.07629 ON 13121908: AT ( 480314.32, 3768767.78, 369.15, 369.15, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART

DP = DISCPOLR

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 24-HR RESULTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	DATE	AVERAGE CONC	(YYMMDDHH)	NETWORK
ZFLAG)	OF TYPE	GRID-ID		RECEPTOR (XR, YR, ZELEV, ZHILL,

ALL HIGH 1ST HIGH VALUE IS 0.03674 ON 13121924: AT ( 480314.32, 3768767.78, 369.15, 369.15, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

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\*\*\* 05/20/22

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 14:10:18

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

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

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 388 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 191 Calm Hours Identified  
  
A Total of 197 Missing Hours Identified ( 0.45 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 1015 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 1015 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*

\*\*\* AERMOD Finishes Successfully \*\*\*

\*\*\*\*\*



**APPENDIX C**

**CalEEMod Greenhouse Gas Emission Output File**

350 Iowa Street Warehouse - San Bernardino-South Coast County, Annual

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

**350 Iowa Street Warehouse  
San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	37.02	1000sqft	0.85	37,020.00	0
Unrefrigerated Warehouse-No Rail	148.08	1000sqft	3.40	148,080.00	0
Parking Lot	231.00	Space	2.08	92,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	531.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Based on 2019 Reported Factors

Land Use - Gross Lot Area = 411,087 sq. ft.  
Land usage based on TA dated May 13, 2022

Construction Phase - Vacant site with zero removals.

Vehicle Trips - Daily trips for each land use per TA dated May 13, 2022.

Construction Off-road Equipment Mitigation - Rule 403 - Fugitive Dust Standard Control Measures

Area Mitigation -

Water Mitigation -

Fleet Mix - Based on Project Trip Generation Summary.

Medium Truck is a truck with 2 axles

Heavy Truck is a truck with 3 or more axles

350 Iowa Street Warehouse - San Bernardino-South Coast County, Annual

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

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	41.00
tblFleetMix	HHD	0.02	0.03
tblFleetMix	HHD	0.02	0.22
tblFleetMix	LDA	0.54	0.95
tblFleetMix	LDA	0.54	0.65
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.01
tblFleetMix	LHD1	0.03	0.06
tblFleetMix	LHD2	7.0090e-003	0.00
tblFleetMix	LHD2	7.0090e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	4.6060e-003	0.00
tblFleetMix	MH	4.6060e-003	0.00
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.07
tblFleetMix	OBUS	5.5200e-004	0.00
tblFleetMix	OBUS	5.5200e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	SBUS	9.5600e-004	0.00
tblFleetMix	UBUS	2.4800e-004	0.00



350 Iowa Street Warehouse - San Bernardino-South Coast County, Annual

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

tblFleetMix	UBUS	2.4800e-004	0.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	531.98
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	4.92
tblVehicleTrips	ST_TR	1.74	1.72
tblVehicleTrips	SU_TR	5.00	4.92
tblVehicleTrips	SU_TR	1.74	1.72
tblVehicleTrips	WD_TR	4.96	4.92
tblVehicleTrips	WD_TR	1.74	1.72

**2.0 Emissions Summary**

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350 Iowa Street Warehouse - San Bernardino-South Coast County, Annual

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

**2.1 Overall Construction**

**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	tons/yr										MT/yr					
2023	0.1544	1.2425	1.5742	3.4800e-003	0.1191	0.0546	0.1736	0.0321	0.0514	0.0835	0.0000	310.9808	310.9808	0.0455	0.0109	315.3579
2024	0.9632	0.7218	0.9962	2.1100e-003	0.0679	0.0306	0.0985	0.0183	0.0288	0.0470	0.0000	188.4232	188.4232	0.0300	5.5700e-003	190.8335
<b>Maximum</b>	<b>0.9632</b>	<b>1.2425</b>	<b>1.5742</b>	<b>3.4800e-003</b>	<b>0.1191</b>	<b>0.0546</b>	<b>0.1736</b>	<b>0.0321</b>	<b>0.0514</b>	<b>0.0835</b>	<b>0.0000</b>	<b>310.9808</b>	<b>310.9808</b>	<b>0.0455</b>	<b>0.0109</b>	<b>315.3579</b>

**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	tons/yr										MT/yr					
2023	0.1544	1.2425	1.5742	3.4800e-003	0.1191	0.0546	0.1736	0.0321	0.0514	0.0835	0.0000	310.9806	310.9806	0.0455	0.0109	315.3576
2024	0.9632	0.7218	0.9962	2.1100e-003	0.0679	0.0306	0.0985	0.0183	0.0288	0.0470	0.0000	188.4230	188.4230	0.0300	5.5700e-003	190.8334
<b>Maximum</b>	<b>0.9632</b>	<b>1.2425</b>	<b>1.5742</b>	<b>3.4800e-003</b>	<b>0.1191</b>	<b>0.0546</b>	<b>0.1736</b>	<b>0.0321</b>	<b>0.0514</b>	<b>0.0835</b>	<b>0.0000</b>	<b>310.9806</b>	<b>310.9806</b>	<b>0.0455</b>	<b>0.0109</b>	<b>315.3576</b>

350 Iowa Street Warehouse - San Bernardino-South Coast County, Annual

**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
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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2023	8-31-2023	0.6020	0.6020
2	9-1-2023	11-30-2023	0.5973	0.5973
3	12-1-2023	2-29-2024	0.7162	0.7162
4	3-1-2024	5-31-2024	1.1594	1.1594
		Highest	1.1594	1.1594

**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	tons/yr										MT/yr					
Area	0.7624	5.0000e-005	5.3000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0103	0.0103	3.0000e-005	0.0000	0.0110
Energy	8.0600e-003	0.0733	0.0615	4.4000e-004		5.5700e-003	5.5700e-003		5.5700e-003	5.5700e-003	0.0000	259.0694	259.0694	0.0127	2.8100e-003	260.2232
Mobile	0.0917	1.1967	1.5938	9.5600e-003	0.7882	0.0122	0.8003	0.2125	0.0115	0.2240	0.0000	908.6429	908.6429	0.0245	0.0858	934.8187
Waste						0.0000	0.0000		0.0000	0.0000	37.5736	0.0000	37.5736	2.2205	0.0000	93.0871
Water						0.0000	0.0000		0.0000	0.0000	13.5799	134.4911	148.0710	1.4031	0.0340	193.2647
<b>Total</b>	<b>0.8622</b>	<b>1.2700</b>	<b>1.6606</b>	<b>0.0100</b>	<b>0.7882</b>	<b>0.0177</b>	<b>0.8059</b>	<b>0.2125</b>	<b>0.0171</b>	<b>0.2296</b>	<b>51.1535</b>	<b>1,302.2137</b>	<b>1,353.3672</b>	<b>3.6608</b>	<b>0.1225</b>	<b>1,481.4047</b>

350 Iowa Street Warehouse - San Bernardino-South Coast County, Annual

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

**2.2 Overall Operational**

**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	tons/yr										MT/yr					
Area	0.7624	5.0000e-005	5.3000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0103	0.0103	3.0000e-005	0.0000	0.0110
Energy	8.0600e-003	0.0733	0.0615	4.4000e-004		5.5700e-003	5.5700e-003		5.5700e-003	5.5700e-003	0.0000	259.0694	259.0694	0.0127	2.8100e-003	260.2232
Mobile	0.0917	1.1967	1.5938	9.5600e-003	0.7882	0.0122	0.8003	0.2125	0.0115	0.2240	0.0000	908.6429	908.6429	0.0245	0.0858	934.8187
Waste						0.0000	0.0000		0.0000	0.0000	37.5736	0.0000	37.5736	2.2205	0.0000	93.0871
Water						0.0000	0.0000		0.0000	0.0000	10.8639	107.5929	118.4568	1.1225	0.0272	154.6117
<b>Total</b>	<b>0.8622</b>	<b>1.2700</b>	<b>1.6606</b>	<b>0.0100</b>	<b>0.7882</b>	<b>0.0177</b>	<b>0.8059</b>	<b>0.2125</b>	<b>0.0171</b>	<b>0.2296</b>	<b>48.4375</b>	<b>1,275.3155</b>	<b>1,323.7530</b>	<b>3.3802</b>	<b>0.1158</b>	<b>1,442.7518</b>

	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
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.31</b>	<b>2.07</b>	<b>2.19</b>	<b>7.67</b>	<b>5.54</b>	<b>2.61</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	6/1/2023	4/17/2024	5	230	
2	Architectural Coating	Architectural Coating	2/21/2024	4/17/2024	5	41	
3	Paving	Paving	3/21/2024	4/17/2024	5	20	

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

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 2.08**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 277,650; Non-Residential Outdoor: 92,550; Striped Parking Area: 5,544 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	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	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

**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
Building Construction	9	117.00	45.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	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

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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**3.2 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	tons/yr										MT/yr					
Off-Road	0.1195	1.0933	1.2345	2.0500e-003		0.0532	0.0532		0.0500	0.0500	0.0000	176.1716	176.1716	0.0419	0.0000	177.2193
<b>Total</b>	<b>0.1195</b>	<b>1.0933</b>	<b>1.2345</b>	<b>2.0500e-003</b>		<b>0.0532</b>	<b>0.0532</b>		<b>0.0500</b>	<b>0.0500</b>	<b>0.0000</b>	<b>176.1716</b>	<b>176.1716</b>	<b>0.0419</b>	<b>0.0000</b>	<b>177.2193</b>

**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	tons/yr										MT/yr					
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	0.0000
Vendor	3.8600e-003	0.1262	0.0511	6.1000e-004	0.0216	9.0000e-004	0.0225	6.2300e-003	8.6000e-004	7.0900e-003	0.0000	59.6048	59.6048	1.5500e-003	8.8100e-003	62.2685
Worker	0.0310	0.0231	0.2886	8.2000e-004	0.0975	4.9000e-004	0.0980	0.0259	4.5000e-004	0.0263	0.0000	75.2044	75.2044	2.0000e-003	2.0700e-003	75.8700
<b>Total</b>	<b>0.0348</b>	<b>0.1493</b>	<b>0.3396</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.3900e-003</b>	<b>0.1205</b>	<b>0.0321</b>	<b>1.3100e-003</b>	<b>0.0334</b>	<b>0.0000</b>	<b>134.8092</b>	<b>134.8092</b>	<b>3.5500e-003</b>	<b>0.0109</b>	<b>138.1385</b>

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**3.2 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	tons/yr										MT/yr					
Off-Road	0.1195	1.0933	1.2345	2.0500e-003		0.0532	0.0532		0.0500	0.0500	0.0000	176.1714	176.1714	0.0419	0.0000	177.2191
<b>Total</b>	<b>0.1195</b>	<b>1.0933</b>	<b>1.2345</b>	<b>2.0500e-003</b>		<b>0.0532</b>	<b>0.0532</b>		<b>0.0500</b>	<b>0.0500</b>	<b>0.0000</b>	<b>176.1714</b>	<b>176.1714</b>	<b>0.0419</b>	<b>0.0000</b>	<b>177.2191</b>

**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	tons/yr										MT/yr					
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	0.0000
Vendor	3.8600e-003	0.1262	0.0511	6.1000e-004	0.0216	9.0000e-004	0.0225	6.2300e-003	8.6000e-004	7.0900e-003	0.0000	59.6048	59.6048	1.5500e-003	8.8100e-003	62.2685
Worker	0.0310	0.0231	0.2886	8.2000e-004	0.0975	4.9000e-004	0.0980	0.0259	4.5000e-004	0.0263	0.0000	75.2044	75.2044	2.0000e-003	2.0700e-003	75.8700
<b>Total</b>	<b>0.0348</b>	<b>0.1493</b>	<b>0.3396</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.3900e-003</b>	<b>0.1205</b>	<b>0.0321</b>	<b>1.3100e-003</b>	<b>0.0334</b>	<b>0.0000</b>	<b>134.8092</b>	<b>134.8092</b>	<b>3.5500e-003</b>	<b>0.0109</b>	<b>138.1385</b>

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

**3.2 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	tons/yr										MT/yr					
Off-Road	0.0574	0.5243	0.6305	1.0500e-003		0.0239	0.0239		0.0225	0.0225	0.0000	90.4212	90.4212	0.0214	0.0000	90.9557
<b>Total</b>	<b>0.0574</b>	<b>0.5243</b>	<b>0.6305</b>	<b>1.0500e-003</b>		<b>0.0239</b>	<b>0.0239</b>		<b>0.0225</b>	<b>0.0225</b>	<b>0.0000</b>	<b>90.4212</b>	<b>90.4212</b>	<b>0.0214</b>	<b>0.0000</b>	<b>90.9557</b>

**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	tons/yr										MT/yr					
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	0.0000
Vendor	1.9300e-003	0.0653	0.0258	3.1000e-004	0.0111	4.6000e-004	0.0115	3.1900e-003	4.4000e-004	3.6300e-003	0.0000	30.1656	30.1656	7.7000e-004	4.4600e-003	31.5131
Worker	0.0148	0.0105	0.1378	4.1000e-004	0.0500	2.4000e-004	0.0503	0.0133	2.2000e-004	0.0135	0.0000	37.4719	37.4719	9.3000e-004	9.8000e-004	37.7879
<b>Total</b>	<b>0.0167</b>	<b>0.0759</b>	<b>0.1636</b>	<b>7.2000e-004</b>	<b>0.0611</b>	<b>7.0000e-004</b>	<b>0.0618</b>	<b>0.0165</b>	<b>6.6000e-004</b>	<b>0.0171</b>	<b>0.0000</b>	<b>67.6375</b>	<b>67.6375</b>	<b>1.7000e-003</b>	<b>5.4400e-003</b>	<b>69.3009</b>



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

**3.2 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	tons/yr										MT/yr					
Off-Road	0.0574	0.5243	0.6305	1.0500e-003		0.0239	0.0239		0.0225	0.0225	0.0000	90.4210	90.4210	0.0214	0.0000	90.9556
<b>Total</b>	<b>0.0574</b>	<b>0.5243</b>	<b>0.6305</b>	<b>1.0500e-003</b>		<b>0.0239</b>	<b>0.0239</b>		<b>0.0225</b>	<b>0.0225</b>	<b>0.0000</b>	<b>90.4210</b>	<b>90.4210</b>	<b>0.0214</b>	<b>0.0000</b>	<b>90.9556</b>

**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	tons/yr										MT/yr					
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	0.0000
Vendor	1.9300e-003	0.0653	0.0258	3.1000e-004	0.0111	4.6000e-004	0.0115	3.1900e-003	4.4000e-004	3.6300e-003	0.0000	30.1656	30.1656	7.7000e-004	4.4600e-003	31.5131
Worker	0.0148	0.0105	0.1378	4.1000e-004	0.0500	2.4000e-004	0.0503	0.0133	2.2000e-004	0.0135	0.0000	37.4719	37.4719	9.3000e-004	9.8000e-004	37.7879
<b>Total</b>	<b>0.0167</b>	<b>0.0759</b>	<b>0.1636</b>	<b>7.2000e-004</b>	<b>0.0611</b>	<b>7.0000e-004</b>	<b>0.0618</b>	<b>0.0165</b>	<b>6.6000e-004</b>	<b>0.0171</b>	<b>0.0000</b>	<b>67.6375</b>	<b>67.6375</b>	<b>1.7000e-003</b>	<b>5.4400e-003</b>	<b>69.3009</b>

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

**3.3 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	tons/yr										MT/yr					
Archit. Coating	0.8708					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7100e-003	0.0250	0.0371	6.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	5.2342	5.2342	2.9000e-004	0.0000	5.2415
<b>Total</b>	<b>0.8745</b>	<b>0.0250</b>	<b>0.0371</b>	<b>6.0000e-005</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>5.2342</b>	<b>5.2342</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.2415</b>

**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	tons/yr										MT/yr					
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	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	0.0000
Worker	1.5300e-003	1.0900e-003	0.0142	4.0000e-005	5.1700e-003	2.0000e-005	5.1900e-003	1.3700e-003	2.0000e-005	1.4000e-003	0.0000	3.8720	3.8720	1.0000e-004	1.0000e-004	3.9047
<b>Total</b>	<b>1.5300e-003</b>	<b>1.0900e-003</b>	<b>0.0142</b>	<b>4.0000e-005</b>	<b>5.1700e-003</b>	<b>2.0000e-005</b>	<b>5.1900e-003</b>	<b>1.3700e-003</b>	<b>2.0000e-005</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>3.8720</b>	<b>3.8720</b>	<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>3.9047</b>

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**3.3 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	tons/yr										MT/yr					
Archit. Coating	0.8708					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7100e-003	0.0250	0.0371	6.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003	0.0000	5.2342	5.2342	2.9000e-004	0.0000	5.2415
<b>Total</b>	<b>0.8745</b>	<b>0.0250</b>	<b>0.0371</b>	<b>6.0000e-005</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>		<b>1.2500e-003</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>5.2342</b>	<b>5.2342</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.2415</b>

**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	tons/yr										MT/yr					
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	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	0.0000
Worker	1.5300e-003	1.0900e-003	0.0142	4.0000e-005	5.1700e-003	2.0000e-005	5.1900e-003	1.3700e-003	2.0000e-005	1.4000e-003	0.0000	3.8720	3.8720	1.0000e-004	1.0000e-004	3.9047
<b>Total</b>	<b>1.5300e-003</b>	<b>1.0900e-003</b>	<b>0.0142</b>	<b>4.0000e-005</b>	<b>5.1700e-003</b>	<b>2.0000e-005</b>	<b>5.1900e-003</b>	<b>1.3700e-003</b>	<b>2.0000e-005</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>3.8720</b>	<b>3.8720</b>	<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>3.9047</b>

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

**3.4 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	tons/yr										MT/yr					
Off-Road	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885
Paving	2.7200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0126</b>	<b>0.0953</b>	<b>0.1463</b>	<b>2.3000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>20.0265</b>	<b>20.0265</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1885</b>

**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	tons/yr										MT/yr					
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	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	0.0000
Worker	4.9000e-004	3.5000e-004	4.5300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2318	1.2318	3.0000e-005	3.0000e-005	1.2422
<b>Total</b>	<b>4.9000e-004</b>	<b>3.5000e-004</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.2318</b>	<b>1.2318</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2422</b>

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

**3.4 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	tons/yr										MT/yr					
Off-Road	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884
Paving	2.7200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0126</b>	<b>0.0953</b>	<b>0.1463</b>	<b>2.3000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>20.0265</b>	<b>20.0265</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1884</b>

**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	tons/yr										MT/yr					
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	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	0.0000
Worker	4.9000e-004	3.5000e-004	4.5300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2318	1.2318	3.0000e-005	3.0000e-005	1.2422
<b>Total</b>	<b>4.9000e-004</b>	<b>3.5000e-004</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.2318</b>	<b>1.2318</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2422</b>

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**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	tons/yr										MT/yr					
Mitigated	0.0917	1.1967	1.5938	9.5600e-003	0.7882	0.0122	0.8003	0.2125	0.0115	0.2240	0.0000	908.6429	908.6429	0.0245	0.0858	934.8187
Unmitigated	0.0917	1.1967	1.5938	9.5600e-003	0.7882	0.0122	0.8003	0.2125	0.0115	0.2240	0.0000	908.6429	908.6429	0.0245	0.0858	934.8187

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	182.14	182.14	182.14	864,730	864,730
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	254.70	254.70	254.70	1,170,277	1,170,277
<b>Total</b>	<b>436.84</b>	<b>436.84</b>	<b>436.84</b>	<b>2,035,007</b>	<b>2,035,007</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	100	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	100	0	0

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.945000	0.000000	0.000000	0.000000	0.011000	0.000000	0.011000	0.033000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606
Unrefrigerated Warehouse-No Rail	0.650000	0.000000	0.000000	0.000000	0.060000	0.000000	0.070000	0.220000	0.000000	0.000000	0.000000	0.000000	0.000000

**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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	179.3174	179.3174	0.0111	1.3500e-003	179.9972
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	179.3174	179.3174	0.0111	1.3500e-003	179.9972
NaturalGas Mitigated	8.0600e-003	0.0733	0.0615	4.4000e-004		5.5700e-003	5.5700e-003		5.5700e-003	5.5700e-003	0.0000	79.7521	79.7521	1.5300e-003	1.4600e-003	80.2260
NaturalGas Unmitigated	8.0600e-003	0.0733	0.0615	4.4000e-004		5.5700e-003	5.5700e-003		5.5700e-003	5.5700e-003	0.0000	79.7521	79.7521	1.5300e-003	1.4600e-003	80.2260

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**5.2 Energy by Land Use - Natural Gas**

Unmitigated

	Natural Gas 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	tons/yr										MT/yr					
General Light Industry	1.19686e+006	6.4500e-003	0.0587	0.0493	3.5000e-004		4.4600e-003	4.4600e-003		4.4600e-003	4.4600e-003	0.0000	63.8688	63.8688	1.2200e-003	1.1700e-003	64.2484
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	0.0000
Unrefrigerated Warehouse-No Rail	297641	1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8833	15.8833	3.0000e-004	2.9000e-004	15.9776
<b>Total</b>		<b>8.0500e-003</b>	<b>0.0733</b>	<b>0.0615</b>	<b>4.4000e-004</b>		<b>5.5700e-003</b>	<b>5.5700e-003</b>		<b>5.5700e-003</b>	<b>5.5700e-003</b>	<b>0.0000</b>	<b>79.7521</b>	<b>79.7521</b>	<b>1.5200e-003</b>	<b>1.4600e-003</b>	<b>80.2260</b>



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**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	tons/yr										MT/yr					
General Light Industry	1.19686e+006	6.4500e-003	0.0587	0.0493	3.5000e-004		4.4600e-003	4.4600e-003		4.4600e-003	4.4600e-003	0.0000	63.8688	63.8688	1.2200e-003	1.1700e-003	64.2484
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	0.0000
Unrefrigerated Warehouse-No Rail	297641	1.6000e-003	0.0146	0.0123	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8833	15.8833	3.0000e-004	2.9000e-004	15.9776
<b>Total</b>		<b>8.0500e-003</b>	<b>0.0733</b>	<b>0.0615</b>	<b>4.4000e-004</b>		<b>5.5700e-003</b>	<b>5.5700e-003</b>		<b>5.5700e-003</b>	<b>5.5700e-003</b>	<b>0.0000</b>	<b>79.7521</b>	<b>79.7521</b>	<b>1.5200e-003</b>	<b>1.4600e-003</b>	<b>80.2260</b>

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

**5.3 Energy by Land Use - Electricity**

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	367238	88.6154	5.5000e-003	6.7000e-004	88.9514
Parking Lot	32340	7.8037	4.8000e-004	6.0000e-005	7.8333
Unrefrigerated Warehouse-No Rail	343546	82.8983	5.1400e-003	6.2000e-004	83.2126
<b>Total</b>		<b>179.3174</b>	<b>0.0111</b>	<b>1.3500e-003</b>	<b>179.9972</b>

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

**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	367238	88.6154	5.5000e-003	6.7000e-004	88.9514
Parking Lot	32340	7.8037	4.8000e-004	6.0000e-005	7.8333
Unrefrigerated Warehouse-No Rail	343546	82.8983	5.1400e-003	6.2000e-004	83.2126
<b>Total</b>		<b>179.3174</b>	<b>0.0111</b>	<b>1.3500e-003</b>	<b>179.9972</b>

**6.0 Area Detail**

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**6.1 Mitigation Measures Area**

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

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**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	tons/yr										MT/yr					
Mitigated	0.7624	5.0000e-005	5.3000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0103	0.0103	3.0000e-005	0.0000	0.0110
Unmitigated	0.7624	5.0000e-005	5.3000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0103	0.0103	3.0000e-005	0.0000	0.0110

**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	tons/yr										MT/yr					
Architectural Coating	0.0871					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6748					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.9000e-004	5.0000e-005	5.3000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0103	0.0103	3.0000e-005	0.0000	0.0110
<b>Total</b>	<b>0.7624</b>	<b>5.0000e-005</b>	<b>5.3000e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0103</b>	<b>0.0103</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0110</b>

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**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	tons/yr										MT/yr					
Architectural Coating	0.0871					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6748					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.9000e-004	5.0000e-005	5.3000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0103	0.0103	3.0000e-005	0.0000	0.0110
<b>Total</b>	<b>0.7624</b>	<b>5.0000e-005</b>	<b>5.3000e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0103</b>	<b>0.0103</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0110</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	118.4568	1.1225	0.0272	154.6117
Unmitigated	148.0710	1.4031	0.0340	193.2647

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	8.56087 / 0	29.6142	0.2806	6.7900e-003	38.6529
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	34.2435 / 0	118.4568	1.1225	0.0272	154.6117
<b>Total</b>		<b>148.0710</b>	<b>1.4031</b>	<b>0.0340</b>	<b>193.2647</b>

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

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	6.8487 / 0	23.6914	0.2245	5.4300e-003	30.9224
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	27.3948 / 0	94.7654	0.8980	0.0217	123.6894
<b>Total</b>		<b>118.4568</b>	<b>1.1225</b>	<b>0.0272</b>	<b>154.6117</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	37.5736	2.2205	0.0000	93.0871
Unmitigated	37.5736	2.2205	0.0000	93.0871

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	45.9	9.3173	0.5506	0.0000	23.0832
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	139.2	28.2563	1.6699	0.0000	70.0039
<b>Total</b>		<b>37.5736</b>	<b>2.2205</b>	<b>0.0000</b>	<b>93.0871</b>



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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	45.9	9.3173	0.5506	0.0000	23.0832
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	139.2	28.2563	1.6699	0.0000	70.0039
<b>Total</b>		<b>37.5736</b>	<b>2.2205</b>	<b>0.0000</b>	<b>93.0871</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

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

**11.0 Vegetation**

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