Appendix A

Air Quality Assessment

Kimley»Horn

Air Quality Assessment
14005 Live Oak Avenue Project
City of Irwindale, California

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TABLE OF CONTENTS

1 Introduction
1.1 Project Location 1
1.2 Project Description 1

2 Environmental Setting
2.1 Climate and Meteorology 6
2.2 Air Pollutants of Concern 7
2.3 Sensitive Receptors 9

3 Regulatory Setting
3.1 Federal 12
3.2 State of California 12
3.3 Regional 14
3.4 Local 17

4 Significance Criteria and Methodology
4.1 Air Quality Thresholds 19
4.2 Methodology 20

5 Potential Impacts and Mitigation22
5.1 Air Quality Analysis 22

6 References 35

TABLES

Table 1: Air Contaminants and Associated Public Health Concerns 7
Table 2: Ambient Air Quality Data 9
Table 3: Sensitive Receptors 10
Table 4: State and National Ambient Air Quality Standards 13
Table 5: South Coast Air Basin Attainment Status 15
Table 6: South Coast Air Quality Management District Emissions Thresholds 19
Table 7: Localized Significance Thresholds for Construction/Operations 20
Table 8: Construction-Related Emissions 24
Table 9: Maximum Daily Project Operational Emissions: Existing and Buildout 25
Table 10: Equipment-Specific Grading Rates 28
Table 11: Localized Significance of Construction Emissions 29
Table 12: Localized Significance of Operational Emissions 30
Table 13: Carcinogenic Risk Assessment 32
Table 14: Chronic Hazard Assessment 33

EXHIBITS

Exhibit 1: Regional Vicinity Map 3
Exhibit 2: Local Vicinity Map 4
Exhibit 3: Site Plan 5
Exhibit 4: Sensitive Receptors 11

APPENDICES

Appendix A: Air Quality Modeling Data

LIST OF ABBREVIATED TERMS

AQMP	air quality management plan
AB	Assembly Bill
ADT	average daily traffic
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAAQS	California Ambient Air Quality Standards
CCAA	California Clean Air Act
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CO	carbon monoxide
cy	cubic yards
DPM	diesel particulate matter
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
H_2S	hydrogen sulfide
Pb	lead
LST	localized significance threshold
µg/m^3	micrograms per cubic meter
mg/m^3	milligrams per cubic meter
NAAQS	National Ambient Air Quality Standards
NO_2	nitrogen dioxide
NO_x	nitrogen oxide
O_3	ozone
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
ppm	parts per million
ROG	reactive organic gases
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SRA	source receptor area
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
sf	square foot
SO_{4-2}	sulfates
SO_2	sulfur dioxide
TAC	toxic air contaminant
C_2H_3Cl	vinyl chloride
VOC	volatile organic compound

1 INTRODUCTION

This report documents the results of an Air Quality Assessment completed for the 14005 Live Oak Avenue Project (Project). The purpose of this analysis is to identify the air quality emissions associated with construction and operations of the Project and determine the level of impact the Project would have on the environment.

1.1 Project Location

The Project site is located in the eastern portion of the City of Irwindale (City or Irwindale) in the County of Los Angeles (County). The City is approximately 20 miles east of downtown Los Angeles and is neighbored by the cities of West Covina, Baldwin Park, Azusa, Duarte, El Monte, Monrovia, and the unincorporated areas of Los Angeles County; see **Exhibit 1: Regional Vicinity Map**. The Project site is located at 14005 Live Oak Avenue at the northeastern corner of the Live Oak Avenue/Stewart Avenue intersection and is bound by vacant land currently undergoing grading to the east, Live Oak Avenue and the City of Baldwin Park to the south, Stewart Avenue to the west, and Rivergrade Road to the north (see **Exhibit 2: Local Vicinity Map**). The Project site is comprised of 5.13 gross acres (4.86 net acres, Assessor's Parcel Number 8535-001-033), with 0.27 acres designated as street dedication.

Regional access to the Project site is provided via the Interstate 605 freeway (I-605) located approximately 0.6-mile to the west. The Interstate 210 (I-210), Interstate 10 (I-10), and State Route 39 (SR-39) freeways also provide regional access to the Project site and are approximately 1.8 miles north, 2.5 miles south, and 3.4 miles east of the Project site, respectively. Local access to the Project site is provided via Live Oak Avenue to the east and Rivergrade Road to the north.

1.2 Project Description

The Project proposes to demolish the existing 56,000-square foot industrial office building and construct a one-story concrete tilt-up warehouse building with a mezzanine totaling 102,400 square feet with associated employee parking, truck docks, and landscaping. The proposed building would include 6,000 square feet of office space in the southeastern portion of the building (3,000 square feet each on the ground floor and mezzanine), and 96,400 square feet of warehouse space on the ground floor; refer to **Exhibit 3: Site Plan**. The Project would have a floor area ratio (FAR) of 0.48. An outdoor employee break area would be located immediately south of the proposed building adjacent to the office space. The Project would be designed to comply with Leadership in Energy and Environmental Design (LEED) Gold standards. The Project would also include security measures such as security lighting, a surveillance camera system, and 24/7 security personnel. As the proposed building is a speculative warehouse with no known tenant, this analysis assumes that the new building would be 100 percent warehousing and would not include any manufacturing, cold storage, or refrigerated space. The Project proposes one electric pump for fire protection services and one emergency diesel generator was modeled for the site.[1]

Access and Parking

The proposed building would have a main entrance/storefront on the southeastern side of the building that would lead into the office space. Eight (8) smaller entrances with stairs and handrails would be on

[1] The emergency generator fuel type is diesel (175-300 HP), assumed for a maximum maintenance and testing of one hour a day or 50 hours per year. The proposed generator has 238 horsepower with a load factor of 0.73.

the northern, western, and southern sides of the building, and five (5) would be on the eastern side to provide access to the truck yard and parking lots.

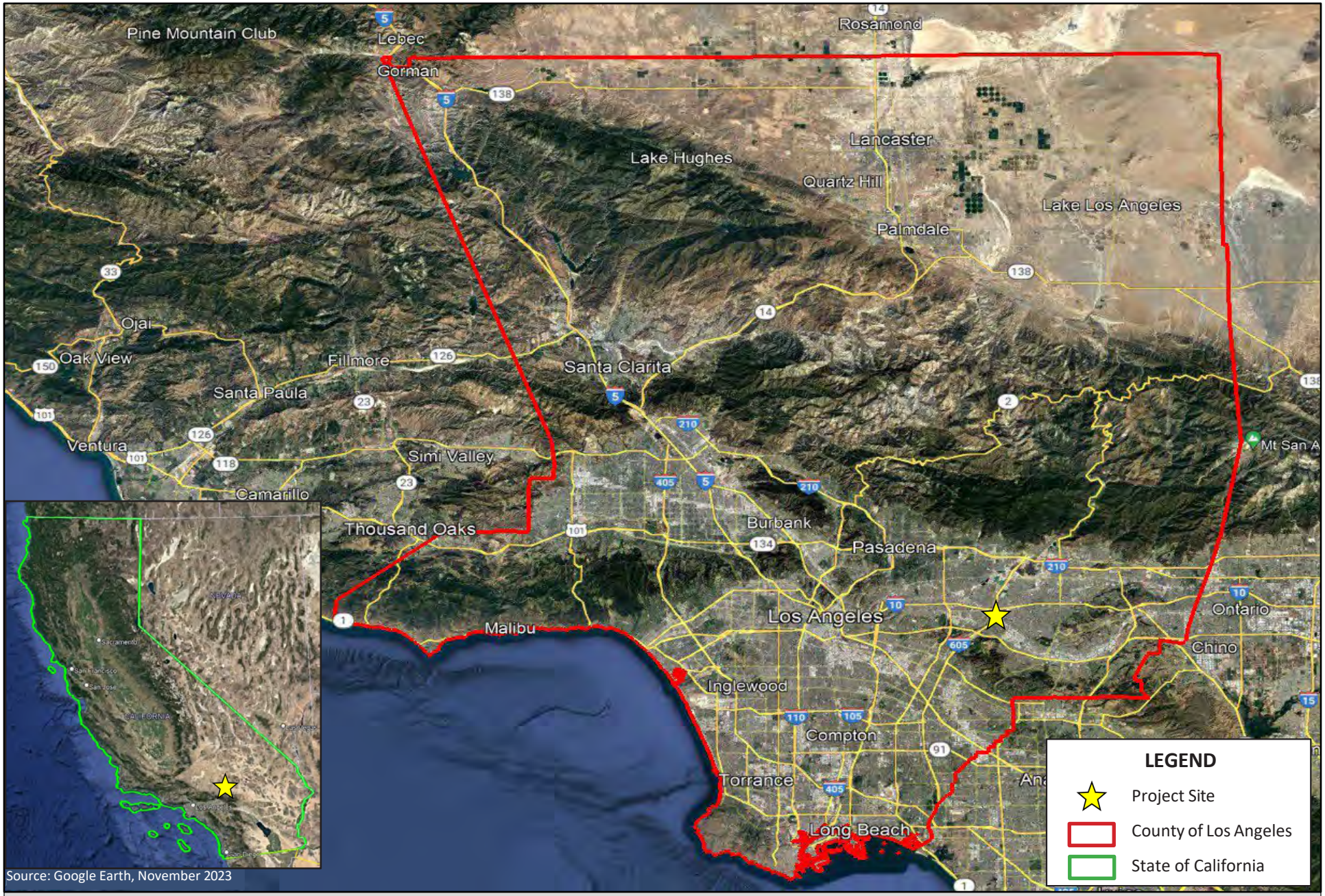
Vehicular access to the Project site would be provided via two (2) new 40-foot driveways: one (1) each off Rivergrade Road and Live Oak Avenue. The northern driveway off Rivergrade Road would provide full ingress and egress for trucking and automobiles for employees only. The southern driveway off Live Oak Avenue would provide ingress and egress only for employee/visitor vehicles and would allow right-in/right-out access only. Both driveways would connect to an internal drive aisle, which is divided by a manual tube steel swing gate on the central eastern portion of the Project site. The gate would restrict access into the truck yard and parking areas on the northeastern portion of the Project site to employees only. The internal drive aisle would also operate as a fire access lane and provide an unobstructed width of 28 feet. The Project would remove and reconstruct the existing Project site driveways in accordance with applicable engineering standards of the City of Irwindale Public Works Department.

The Project proposes to provide sixty-five (65) parking spaces throughout the parking lots, which would include fifteen (15) compact spaces on the northeastern portion of the Project site; and four (4) handicapped accessible spaces, twelve (12) electric vehicle (EV) spaces, and seven (7) EV charging station stalls on the central and southeastern portions. The Project would also provide twelve (12) dock positions and thirteen (13) trailer stalls along the northeastern Project site boundary and across from the proposed truck yard. Additionally, the Project would provide four (4) long-term and four (4) short-term bicycle spaces adjacent to the central and southeastern parking lots. The dock doors would be used for truck loading and unloading in the truck yard adjacent to the northeastern portion of the proposed building.

Pedestrian access would be provided via a new meandering concrete sidewalk along the street frontages on Rivergrade Road, Stewart Avenue, and Live Oak Avenue. The existing public sidewalk abutting the Project site would be demolished and replaced with a new sidewalk including curbs, gutters, and landscaping improvements as needed to facilitate Project site access along the Project's frontage, consistent with the City's standards. The Project would also include a 10-foot street easement dedication (totaling 0.27 acres) along Rivergrade Road, Stewart Avenue, and Live Oak Avenue. Additionally, internal walkways leading to the various entrances of the proposed building would be provided onsite and would connect to the new public sidewalk.

Construction Activities

Construction is anticipated to occur over a duration of approximately 13 months, commencing as early as September 2025. There would be approximately 12,345 tons of demolition and no anticipated import or export of soil.



Source: Google Earth, November 2023

Exhibit 1: REGIONAL VICINITY MAP

14005 Live Oak Avenue Project

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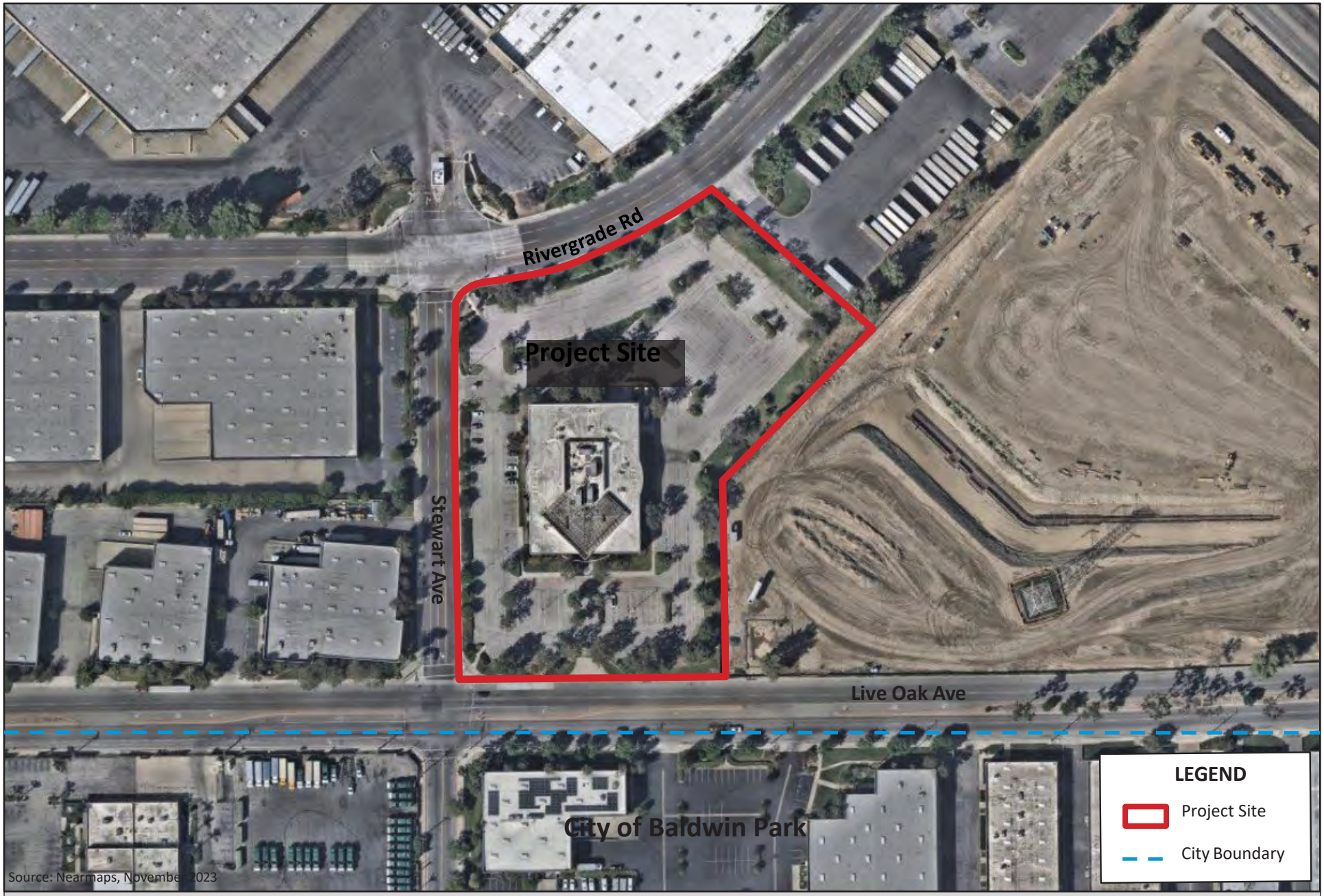
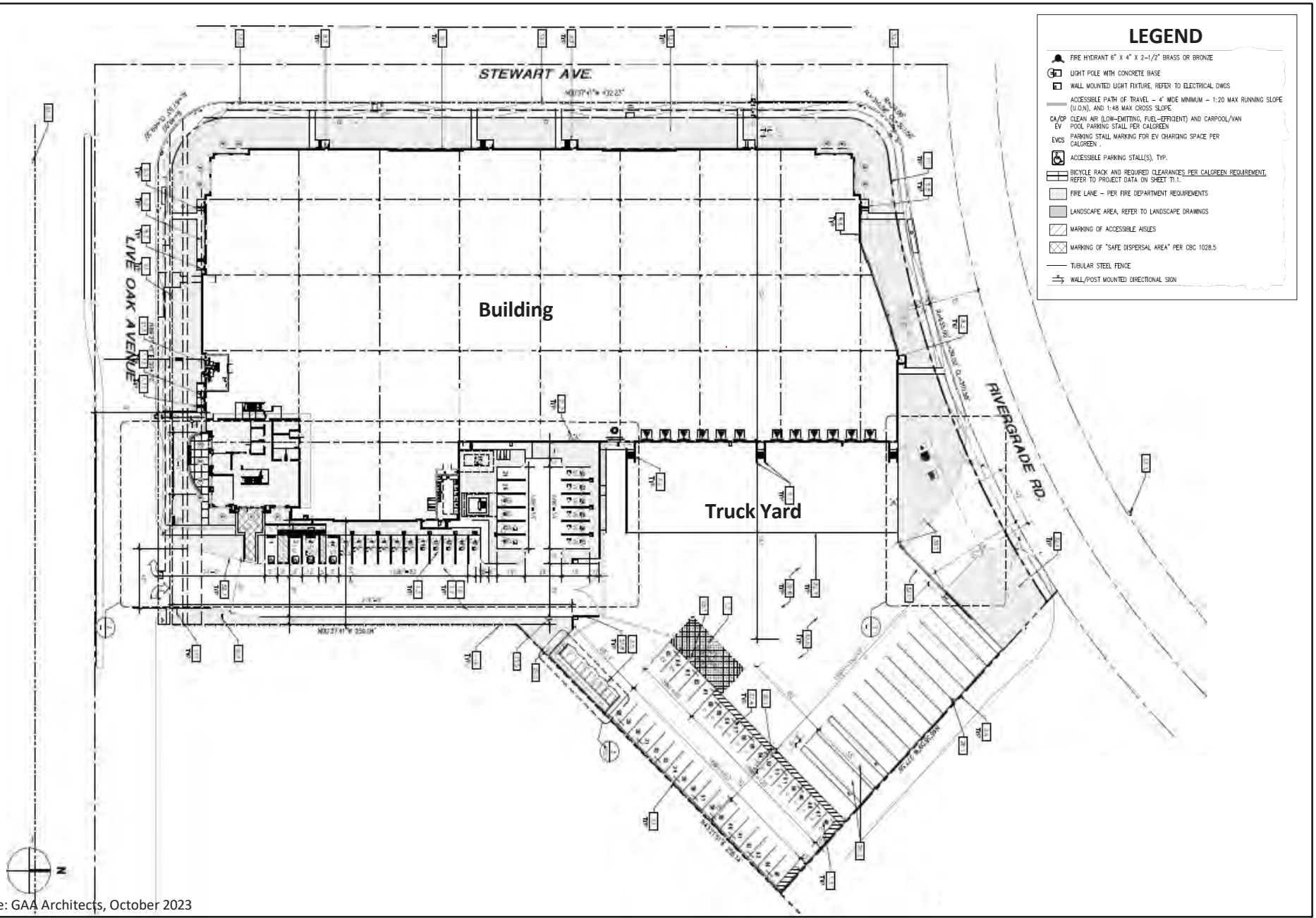


Exhibit 2: LOCAL VICINITY MAP

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Source: GAA Architects, October 2023

Exhibit 3: SITE PLAN

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2 ENVIRONMENTAL SETTING

2.1 Climate and Meteorology

The California Air Resources Board (CARB) divides the State into 15 air basins that share similar meteorological and topographical features. The Project is located within the South Coast Air Basin (SCAB), which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties, as well as all of Orange County. The SCAB is on a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean on the southwest and high mountains forming the remainder of the perimeter[2]. Air quality in this area is determined by natural factors such as topography, meteorology, and climate, in addition to the presence of existing air pollution sources and ambient conditions. These factors along with applicable regulations are discussed below.

The SCAB is part of a semi-permanent high-pressure zone in the eastern Pacific. As a result, the climate is mild and tempered by cool sea breezes. This usually mild weather pattern is occasionally interrupted by periods of extreme heat, winter superstorms, and Santa Ana winds. The annual average temperature throughout the 6,645-square-mile SCAB ranges from low 60 to high 80 degrees Fahrenheit with little variance. With more oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas.

Contrasting the steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all annual rainfall occurs between the months of November and April. Summer rainfall is reduced to widely scattered thundershowers near the coast, with slightly heavier activity in the east and over the mountains.

Although the SCAB has a semiarid climate, the air closer to the Earth's surface is typically moist because of the presence of a shallow marine layer. Except for occasional periods when dry, continental air is brought into the SCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog are frequent and low clouds known as high fog are characteristic climatic features, especially along the coast. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SCAB.

Wind patterns across the SCAB are characterized by westerly or southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Wind speed is typically higher during the dry summer months than during the rainy winter. Between periods of wind, air stagnation may occur in both the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During winter and fall, surface high-pressure systems over the SCAB, combined with other meteorological conditions, result in very strong, downslope Santa Ana winds. These winds normally continue for a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the diffusion of pollutants by inhibiting the eastward transport of pollutants. Air quality in the SCAB generally ranges from fair to poor and is similar to air quality in most of coastal Southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions.

In addition to the characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, two distinct types of temperature inversions control the vertical depth through which air pollutants are mixed. These inversions are the marine inversion and the radiation inversion. The height of

[2] South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.

the base of the inversion at any given time is called the "mixing height." The combination of winds and inversions is a critical determinant leading to highly degraded air quality for the SCAB in the summer and generally good air quality in the winter.

2.2 Air Pollutants of Concern

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by State and federal laws. These regulated air pollutants are known as "criteria air pollutants" and are categorized into primary and secondary pollutants.

Primary air pollutants are emitted directly from sources. Carbon monoxide (CO), reactive organic gases (ROG), nitrogen oxide (NO_X), sulfur dioxide (SO_2), coarse particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), and lead are primary air pollutants. Of these, CO, NO_X, SO_2, PM_{10}, and $PM_{2.5}$ are primary criteria pollutants. ROG and NO_X are criteria pollutant precursors and form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. For example, the criteria pollutant ozone (O_3) is formed by a chemical reaction between ROG and NO_X in the presence of sunlight. O_3 and nitrogen dioxide (NO_2) are the principal secondary pollutants. Sources and health effects commonly associated with criteria pollutants are summarized in **Table 1: Air Contaminants and Associated Public Health Concerns.**

Table 1: Air Contaminants and Associated Public Health Concerns

Pollutant	Major Man-Made Sources	Human Health Effects
Particulate Matter (PM_{10} and $PM_{2.5}$)	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; asthma; chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility.
Ozone (O_3)	Formed by a chemical reaction between reactive organic gases/volatile organic compounds (ROG or VOC)[1] and nitrogen oxides (NO_X) in the presence of sunlight. Motor vehicle exhaust industrial emissions, gasoline storage and transport, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing, and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
Sulfur Dioxide (SO_2)	A colorless gas formed when fuel containing sulfur is burned and when gasoline is extracted from oil. Examples are petroleum refineries, cement manufacturing, metal processing facilities, locomotives, and ships.	Respiratory irritant. Aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron and steel. Damages crops and natural vegetation. Impairs visibility. Precursor to acid rain.
Carbon Monoxide (CO)	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO_2)	A reddish-brown gas formed during fuel combustion for motor vehicles and industrial sources. Sources include motor vehicles, electric utilities, and other sources that burn fuel.	Respiratory irritant; aggravates lung and heart problems. Precursor to O_3. Contributes to global warming and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Lead (Pb)	Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Due to	Exposure to lead occurs mainly through inhalation of air and ingestion of lead in food, water, soil, or dust. It accumulates in the blood, bones, and soft tissues and can adversely affect the kidneys, liver, nervous system, and other organs. Excessive exposure to lead

Table 1: Air Contaminants and Associated Public Health Concerns		
Pollutant	**Major Man-Made Sources**	**Human Health Effects**
	the phase out of leaded gasoline, metals processing is the major source of lead emissions to the air today. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers.	may cause neurological impairments such as seizures, mental retardation, and behavioral disorders. Even at low doses, lead exposure is associated with damage to the nervous systems of fetuses and young children, resulting in learning deficits and lowered IQ.
1. Volatile Organic Compounds (VOCs or Reactive Organic Gases [ROG]) are hydrocarbons/organic gases that are formed solely of hydrogen and carbon. There are several subsets of organic gases including ROGs and VOCs. Both ROGs and VOCs are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. The major sources of hydrocarbons are combustion engine exhaust, oil refineries, and oil-fueled power plants; other common sources are petroleum fuels, solvents, dry cleaning solutions, and paint (via evaporation).		
Source: U.S. EPA, *Criteria Air Pollutants*, https://www.epa.gov/criteria-air-pollutants, accessed March 2024.		

Toxic Air Contaminants

Toxic air contaminants (TACs) are airborne substances that can cause short-term (acute) or long-term (i.e., chronic, carcinogenic or cancer causing) adverse human health effects (i.e., injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes more than 200 compounds, including particulate emissions from diesel-fueled engines.

CARB identified diesel particulate matter (DPM) as a toxic air contaminant. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine. Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Due to their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

Ambient Air Quality

CARB monitors ambient air quality at approximately 250 air monitoring stations across the State. These stations usually measure pollutant concentrations ten feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. Existing ambient air quality levels, historical trends, and projections near the Project are documented by measurements made by the South Coast Air Quality Management District (SCAQMD), the air pollution regulatory agency in the SCAB that maintains air quality monitoring stations which process ambient air quality measurements.

Pollutants of concern in the SCAB include O_3, PM_{10}, and $PM_{2.5}$. The closest air monitoring station to the Project that monitors ambient concentrations of O_3 and $PM_{2.5}$ is the Pico Rivera #2 Monitoring Station (located approximately 10.5 miles to the southwest). The Glendora-Laurel Monitoring Station (located approximately 10.3 miles northeast) is the closest station that monitors PM_{10}. Local air quality data from

2019 to 2022 are provided in **Table 2: Ambient Air Quality Data**, which lists the monitored maximum concentrations and number of exceedances of CAAQS or NAAQS for each year.

Table 2: Ambient Air Quality Data			
Criteria Pollutant[1]	**2020**	**2021**	**2022**
Ozone (O_3)			
1-hour Maximum Concentration (ppm)	0.169	0.104	0.123
8-hour Maximum Concentration (ppm)	0.114	0.074	0.091
Number of Days Standard Exceeded			
CAAQS 1-hour (>0.09 ppm)	20	2	3
NAAQS 8-hour (>0.070 ppm)	23	3	2
Carbon Monoxide (CO)			
1-hour Maximum Concentration (ppm)	3.143	1.786	1.564
Number of Days Standard Exceeded			
NAAQS 1-hour (>35 ppm)	0	0	0
CAAQS 1-hour (>20 ppm)	0	0	0
Nitrogen Dioxide (NO_2)			
1-hour Maximum Concentration (ppm)	0.046	0.048	0.041
Number of Days Standard Exceeded			
NAAQS 1-hour (>100 ppm)	0	0	
CAAQS 1-hour (>0.18 ppm)	0	0	
Particulate Matter Less Than 10 Microns (PM_{10})			
National 24-hour Maximum Concentration	227.2	121.5	83.6
State 24-hour Maximum Concentration	-	-	-
State Annual Average Concentration (CAAQS=20 µg/m^3)	-	-	-
Number of Days Standard Exceeded			
NAAQS 24-hour (>150 µg/m^3)	2	0	0
CAAQS 24-hour (>50 µg/m^3)	-	-	-
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$)			
National 24-hour Maximum Concentration	82.9	66.0	53.8
State 24-hour Maximum Concentration	82.9	66.1	53.8
Number of Days Standard Exceeded			
NAAQS 24-hour (>35 µg/m^3)	14.8	8.9	3.1
NAAQS = National Ambient Air Quality Standards; CAAQS = California Ambient Air Quality Standards; ppm = parts per million; µg/m^3 = micrograms per cubic meter; – = There was insufficient (or no) data available to determine the value.			
Measurements taken at the Pico Rivera #2 Monitoring Station at 4144 San Gabriel River Parkway, Pico Rivera, California (CARB#70185) and at the Glendora-Laurel Monitoring Station at 840 Laurel Avenue, Glendora, California (CARB #70591).			
Source: All pollutant measurements are from the CARB Aerometric Data Analysis and Management system database (https://www.arb.ca.gov/adam) except for CO and NO_2, which were retrieved from the CARB Air Quality and Meteorological Information System (https://www.arb.ca.gov/aqmis2/aqdselect.php).			

2.3 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. Sensitive land uses within 1,000 feet of the Project site consist of single-family residential and multi-family communities located within the City of Baldwin Park. The closest sensitive receptor in the City of Irwindale is the Kare Youth League and Chamberlain University located more than 2,741 feet and 3,000 feet away, respectively. Sensitive land uses nearest to the Project site are shown in **Table 3: Sensitive Receptors** and **Exhibit 4: Sensitive Receptors.**

Table 3: Sensitive Receptors	
Receptor Description	**Distance[1] and Direction from the Project**
Single-Family Residences[2]	445 feet to the southeast
Multi-Family Residences[2]	530 feet to the south
Single-Family Residences[2]	580 feet to the south
Margaret Heath Elementary School[2]	1,995 feet to the southeast
Kare Youth League[3]	2,741 feet to the northwest
Chamberlain University[3]	3,000 feet to the southwest
1. Distance measured from the Project site boundary to the nearest sensitive receptor property line. 2. Receptors are located within the City of Baldwin Park. 3. Receptors are located within the City of Irwindale	
Source: Google Earth, 2023.	

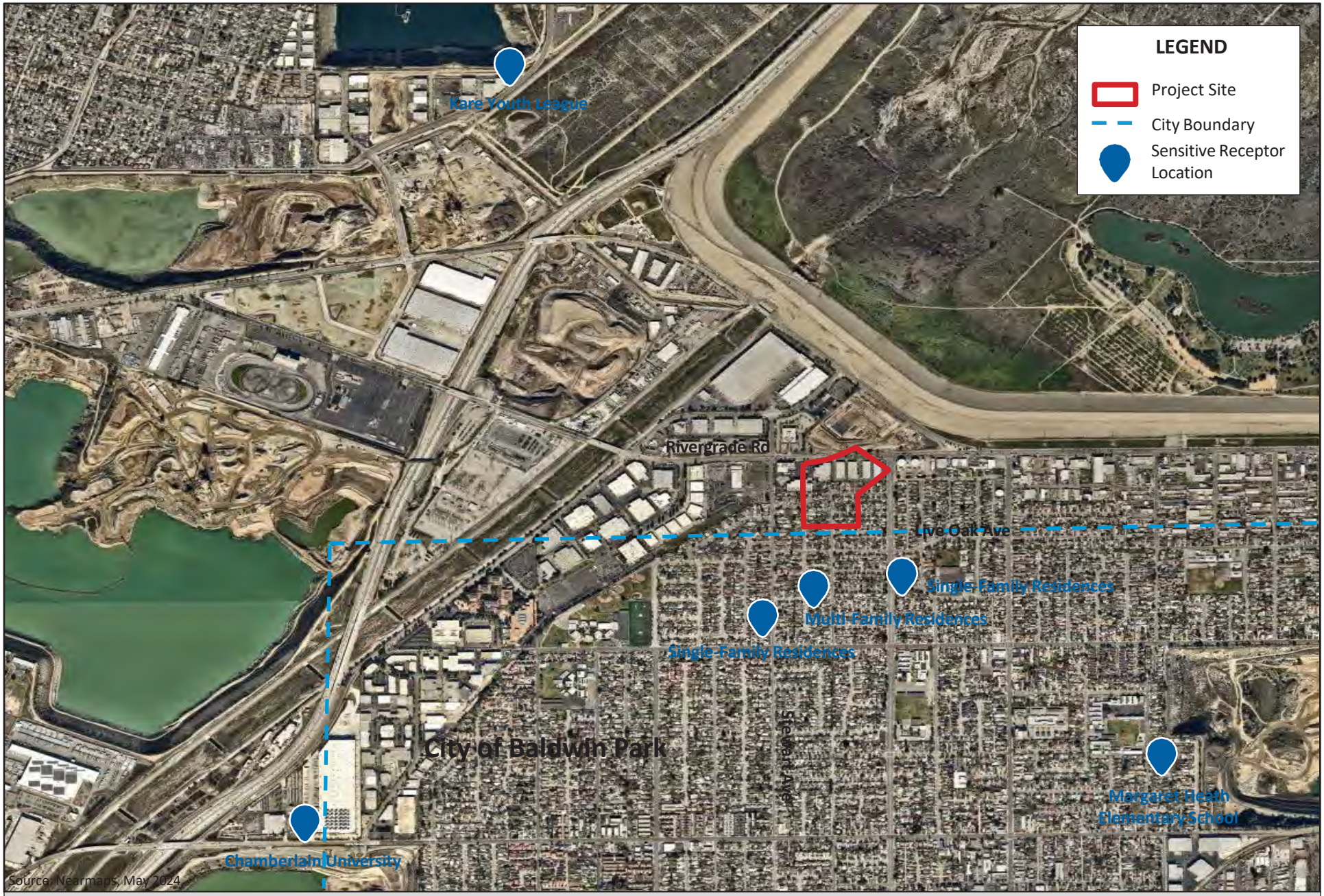


Exhibit 4: SENSITIVE RECEPTORS

14005 Live Oak Avenue Project

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3 REGULATORY SETTING

3.1 Federal

Federal Clean Air Act

Air quality is federally protected by the Federal Clean Air Act (FCAA) and its amendments. Under the FCAA, the United States Environmental Protection Agency (U.S. EPA) developed the primary and secondary National Ambient Air Quality Standards (NAAQS) for the criteria air pollutants including O_3, NO_2, CO, SO_2, PM_{10}, $PM_{2.5}$, and lead. Proposed projects in or near nonattainment areas could be subject to more stringent air-permitting requirements. The FCAA requires each State to prepare a State Implementation Plan (SIP) to demonstrate how it will attain the NAAQS within the federally imposed deadlines.

The U.S. EPA can withhold certain transportation funds from states that fail to comply with the planning requirements of the FCAA. If a State fails to correct these planning deficiencies within two years of Federal notification, the U.S. EPA is required to develop a Federal implementation plan for the identified nonattainment area or areas. The provisions of 40 Code of Federal Regulations Parts 51 and 93 apply in all nonattainment and maintenance areas for transportation-related criteria pollutants for which the area is designated nonattainment or has a maintenance plan. The U.S. EPA has designated enforcement of air pollution control regulations to the individual states. Applicable NAAQS are summarized in **Table 4: State and National Ambient Air Quality Standards.**

3.2 State of California

California Air Resources Board

The California Air Resources Board (CARB) administers the air quality policy in California. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. The CAAQS, included with the NAAQS in **Table 4**, are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates.

The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS. These AQMPs also serve as the basis for the preparation of the SIP for meeting NAAQS for the State of California. Like the U.S. EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a CAAQS for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events such as wildfires, volcanoes, etc. are not considered violations of a CAAQS, and are not used as a basis for designating areas as nonattainment. The applicable CAAQS are summarized in **Table 4**.

Table 4: State and National Ambient Air Quality Standards

Pollutant	Averaging Time	State Standards[1]	National Standards[2]
Ozone (O_3) [2, 5, 7]	8 Hour	0.070 ppm (137 µg/m^3)	0.070 ppm
	1 Hour	0.09 ppm (180 µg/m^3)	NA
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m^3)	9 ppm (10 mg/m^3)
	1 Hour	20 ppm (23 mg/m^3)	35 ppm (40 mg/m^3)
Nitrogen Dioxide (NO_2)	1 Hour	0.18 ppm (339 µg/m^3)	0.10 ppm[11]
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)	0.053 ppm (100 µg/m^3)
Sulfur Dioxide (SO_2) [8]	24 Hour	0.04 ppm (105 µg/m^3)	0.14 ppm (365 µg/m^3)
	1 Hour	0.25 ppm (655 µg/m^3)	0.075 ppm (196 µg/m^3)
	Annual Arithmetic Mean	NA	0.03 ppm (80 µg/m^3)
Particulate Matter (PM_{10}) [1, 3, 6]	24-Hour	50 µg/m^3	150 µg/m^3
	Annual Arithmetic Mean	20 µg/m^3	NA
Fine Particulate Matter ($PM_{2.5}$) [3, 4, 6, 9]	24-Hour	NA	35 µg/m^3
	Annual Arithmetic Mean	12 µg/m^3	9.0 µg/m^3
Sulfates (SO_{4-2})	24 Hour	25 µg/m^3	NA
Lead (Pb) [10, 11]	30-Day Average	1.5 µg/m^3	NA
	Calendar Quarter	NA	1.5 µg/m^3
	Rolling 3-Month Average	NA	0.15 µg/m^3
Hydrogen Sulfide (H_2S)	1 Hour	0.03 ppm (0.15 µg/m^3)	NA
Vinyl Chloride (C_2H_3Cl) [10]	24 Hour	0.01 ppm (26 µg/m^3)	NA

Notes:

ppm = parts per million; µg/m^3 = micrograms per cubic meter; mg/m^3 = milligrams per cubic meter; – = no information available.

1. California standards for O_3, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM_{10}, and visibility reducing particles are values that are not to be exceeded. The standards for sulfates, Lake Tahoe carbon monoxide, lead, hydrogen sulfide, and vinyl chloride are not to be equaled or exceeded. If the standard is for a 1-hour, 8-hour or 24-hour average (i.e. all standards except for lead and the PM_{10} annual standard), then some measurements may be excluded. Measurements are excluded that CARB determines would occur less than once per year on the average. The Lake Tahoe carbon monoxide standard is 6.0 ppm, a level one-half the national standard and two-thirds the State standard.
1. National standards shown are the "primary standards" designed to protect public health. National standards other than for O_3, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour O_3 standard is attained if, during the most recent three-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one. The 8-hour O_3 standard is attained when the 3-year average of the 4th highest daily concentrations is 0.070 ppm or less. The 24-hour PM_{10} standard is attained when the 3-year average of the 99th percentile of monitored concentrations is less than 150 µg/m$_3$. The 24-hour $PM_{2.5}$ standard is attained when the 3-year average of 98th percentiles is less than 35 µg/m^3.
2. Except for the national particulate standards, annual standards are met if the annual average falls below the standard at every site. The national annual particulate standard for PM_{10} is met if the 3-year average falls below the standard at every site. The annual $PM_{2.5}$ standard is met if the 3-year average of annual averages spatially-averaged across officially designed clusters of sites falls below the standard.
   NAAQS are set by the U.S. EPA at levels determined to be protective of public health with an adequate margin of safety.
3. On October 1, 2015, the national 8-hour O_3 primary and secondary standards were lowered from 0.075 to 0.070 ppm. An area will meet the standard if the fourth-highest maximum daily 8-hour O_3 concentration per year, averaged over three years, is equal to or less than 0.070 ppm. U.S. EPA will make recommendations on attainment designations by October 1, 2016, and issue final designations October 1, 2017. Nonattainment areas will have until 2020 to late 2037 to meet the health standard, with attainment dates varying based on the O_3 level in the area.
4. The national 1-hour O_3 standard was revoked by the U.S. EPA on June 15, 2005.
5. In June 2002, CARB established new annual standards for $PM_{2.5}$ and PM_{10}.
6. The 8-hour California O_3 standard was approved by the CARB on April 28, 2005 and became effective on May 17, 2006.
7. On June 2, 2010, the U.S. EPA established a new 1-hour SO_2 standard, effective August 23, 2010, which is based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The existing 0.030 ppm annual and 0.14 ppm 24-hour SO_2 NAAQS however must continue to be used until one year following U.S. EPA initial designations of the new 1-hour SO_2 NAAQS.
8. In December 2012, U.S. EPA strengthened the annual $PM_{2.5}$ NAAQS from 15.0 to 12.0 µg/m^3. In December 2014, the U.S. EPA issued final area designations for the 2012 primary annual $PM_{2.5}$ NAAQS. Areas designated “unclassifiable/attainment” must continue to take steps to prevent their air quality from deteriorating to unhealthy levels. The effective date of this standard is April 15, 2015.
9. CARB has identified lead and vinyl chloride as ‘toxic air contaminants’ with no threshold level of exposure below which there are no adverse health effects determined.
10. National lead standard, rolling 3-month average: final rule signed October 15, 2008. Final designations effective December 31, 2011.

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2022; California Air Resources Board, *Ambient Air Quality Standards*, May 6, 2016, and U.S. EPA, NAAQS Table, February 7, 2024.

3.3 Regional

South Coast Air Quality Management District

The South Coast Air Quality Management District (SCAQMD) is the air pollution control agency for Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties. The agency's primary responsibility is ensuring that CAAQS and NAAQS are attained and maintained in the SCAB. The SCAQMD is also responsible for adopting and enforcing rules and regulations concerning air pollutant sources, issuing permits for stationary sources of air pollutants, inspecting stationary sources of air pollutants, responding to citizen complaints, monitoring ambient air quality and meteorological conditions, awarding grants to reduce motor vehicle emissions, conducting public education campaigns, and many other activities. All projects are subject to SCAQMD rules and regulations in effect at the time of construction.

The SCAQMD is also the lead agency in charge of developing the AQMP, with input from the Southern California Association of Governments (SCAG) and CARB. The AQMP is a comprehensive plan that includes control strategies for stationary and area sources, as well as for on-road and off-road mobile sources. SCAG has the primary responsibility for providing future growth projections and the development and implementation of transportation control measures. CARB, in coordination with federal agencies, provides the control element for mobile sources.

The 2016 AQMP was adopted by the SCAQMD Governing Board on March 3, 2017. The purpose of the AQMP is to set forth a comprehensive and integrated program that would lead the SCAB into compliance with the federal 24-hour $PM_{2.5}$ air quality standard, and to provide an update to the SCAQMD's commitments towards meeting the 8-hour O_3 NAAQS. Specifically, the 2016 AQMP covers the following NAAQS: 1979 1-hour O_3 NAAQS, 1997 8-hour O_3 NAAQS, 2006 24-hour $PM_{2.5}$ NAAQS, 2008 8-hour O_3 NAAQS, and the 2012 annual $PM_{2.5}$ NAAQS.

The 2022 AQMP, adopted by the SCAQMD Governing Board on December 2, 2022, was developed to address the requirements for meeting the 2015 8-hour O_3 standard. The 2022 AQMP builds upon measures already in place from previous AQMPs. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low NO_X technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other FCAA measures to achieve the 2015 8-hour ozone standard. The 2022 AQMP incorporates the latest scientific and technological information and planning assumptions, including the *2020-2045 Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS) and updated emission inventory methodologies for various source categories.

The SCAQMD has published the *CEQA Air Quality Handbook* (approved by the SCAQMD Governing Board in 1993 and augmented with guidance for Localized Significance Thresholds [LSTs] in 2008). The SCAQMD guidance helps local government agencies and consultants to develop environmental documents required by California Environmental Quality Act (CEQA) and provides identification of suggested thresholds of significance for criteria pollutants for both construction and operation (see discussion of thresholds below). With the help of the *CEQA Air Quality Handbook* and associated guidance, local land use planners and consultants are able to analyze and document how proposed and existing projects affect air quality in order to meet the requirements of the CEQA review process. The SCAQMD periodically provides supplemental guidance and updates to the handbook on their website.

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. Under federal law, SCAG is designated as a Metropolitan Planning Organization and under State law as a Regional Transportation Planning Agency and a Council of Governments.

The State and federal attainment status designations for the SCAB are summarized in **Table 5: South Coast Air Basin Attainment Status**. The SCAB is currently designated as a nonattainment area for the O_3, PM_{10}, and $PM_{2.5}$ CAAQS, as well as the 8-hour O_3 and $PM_{2.5}$ NAAQS. The SCAB is designated as attainment or unclassified for the remaining CAAQS and NAAQS.

Table 5: South Coast Air Basin Attainment Status

Pollutant	State	Federal
Ozone (O_3) (1 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Ozone (O_3) (8 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Particulate Matter ($PM_{2.5}$) (24 Hour Standard)	–	Non-Attainment (Serious)
Particulate Matter ($PM_{2.5}$) (Annual Standard)	Non-Attainment	Non-Attainment (Serious)
Particulate Matter (PM_{10}) (24 Hour Standard)	Non-Attainment	Attainment (Maintenance)
Particulate Matter (PM_{10}) (Annual Standard)	Non-Attainment	–
Carbon Monoxide (CO) (1 Hour Standard)	Attainment	Attainment (Maintenance)
Carbon Monoxide (CO) (8 Hour Standard)	Attainment	Attainment (Maintenance)
Nitrogen Dioxide (NO_2) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Nitrogen Dioxide (NO_2) (Annual Standard)	Attainment	Attainment (Maintenance)
Sulfur Dioxide (SO_2) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Sulfur Dioxide (SO_2) (24 Hour Standard)	Attainment	–
Lead (Pb) (30 Day Standard)	–	Unclassifiable/Attainment
Lead (Pb) (3 Month Standard)	Attainment	–
Sulfates (SO_{4-2}) (24 Hour Standard)	Attainment	–
Hydrogen Sulfide (H_2S) (1 Hour Standard)	Unclassified	–

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2022; United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants (Green Book)*, 2022.

The following is a list of SCAQMD rules that are required of construction activities associated with the Project:

- **Rule 402 (Nuisance)** – This rule prohibits the 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 the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

- **Rule 403 (Fugitive Dust)** – This rule requires fugitive dust sources to implement best available control measures for all sources, and all forms of visible particulate matter are prohibited from crossing any property line. This rule is intended to reduce PM_{10} emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM_{10} suppression techniques are summarized below.

    a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.

    b) All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.

    c) All material transported off-site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.

    d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.

    e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.

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

- **Rule 2305 (Warehouse Indirect Source Rule)** - Rule 2305 was adopted by the SCAQMD Governing Board on May 7, 2021, to reduce NO_X and particulate matter emissions associated with warehouses and mobile sources attracted to warehouses. This rule applies to all existing and proposed warehouses over 100,000 square feet located in the SCAQMD. Rule 2305 requires warehouse operators to track annual vehicle miles traveled associated with truck trips to and from the warehouse. These trip miles are used to calculate the warehouses WAIRE (Warehouse Actions and Investments to Reduce Emissions) Points Compliance Obligation. WAIRE Points are earned based on emission reduction measures and warehouse operators are required to submit an annual WAIRE Report which includes truck trip data and emission reduction measures. Reduction strategies listed in the WAIRE menu include acquire zero emission (ZE) or near zero emission (NZE) trucks; require ZE/NZE truck visits; require ZE yard trucks; install on-site ZE charging/fueling infrastructure; install onsite energy systems; and install filtration systems in residences, schools, and other buildings in the adjacent community. Warehouse operators that

do not earn a sufficient number of WAIRE points to satisfy the WAIRE Points Compliance Obligation would be required to pay a mitigation fee. Funds from the mitigation fee will be used to incentivize the purchase of cleaner trucks and charging/fueling infrastructure in communities nearby.

3.4 Local

City of Irwindale General Plan

The *City of Irwindale General Plan* (General Plan) is a long-range planning document that provides the City a framework for action and the direction in which to focus that action. The following policies focusing on improving air quality are applicable to the proposed Project:

Resource Management Element

Policy 9: The City will continue to cooperate with the other agencies that are charged with improving air and water quality in the region.

Policy 19: The City of Irwindale will consider environmental justice issues as they are related to potential health impact associated with air pollution and ensure that all land use decisions, including enforcement actions, are made in an equitable fashion to protect residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location from the health effects of air pollution.

Policy 20: The City of Irwindale will encourage site plan designs to provide the appropriate setbacks and/or design features that reduce toxic air contaminants at the source.

Policy 21: The City of Irwindale will encourage the applicant for sensitive land uses (e.g., residences, schools, daycare facilities, playgrounds, and medical facilities) to incorporate design features (e.g., pollution prevention, pollution reduction, barriers, landscaping, ventilation systems, or other measures) in the planning process to minimize the potential pollution impacts on sensitive receptors.

Policy 22: The City of Irwindale will facilitate communications among residents, businesses, and the South Coast Air Quality Management District (SCAQMD) to quickly resolve air pollution nuisance complaints. The City will distribute information to advise residents on how to register a complaint with SCAQMD (SCAQMD‘s “Cut Smog” program).

Policy 23: The City of Irwindale will actively participate in decisions on the site or expansion of facilities of land uses (e.g., freeway expansions), to ensure the inclusion of air quality mitigation measures.

Policy 26: The City of Irwindale will design traffic plans, including the development of suggested routes for trucks, to minimize truck idling time.

Policy 27: The City of Irwindale will encourage vegetative thinning or mowing for weed abatement activities to minimize wind blown dust.

Policy 28: The City of Irwindale will require conditions for discretionary approvals that require fugitive dust controls and compliance mechanisms for stationary sources (landfill, composting facilities, aggregate facilities, etc.).

Policy 30: The City of Irwindale will provide regional and local air quality information on the City's website, including the SCAQMD's 1-800-CUT-SMOG number for the public to report air pollution complaints to the SCAQMD.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 Air Quality Thresholds

Based upon the criteria derived from State CEQA Guidelines Appendix G, a project normally would have a significant effect on the environment if it would:

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

SCAQMD Thresholds

The significance criteria established by SCAQMD may be relied upon to make the above determinations. According to the SCAQMD, an air quality impact is considered significant if a Project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality during construction and operational activities of land use development projects, as shown in **Table 6: South Coast Air Quality Management District Emissions Thresholds.**

Table 6: South Coast Air Quality Management District Emissions Thresholds

Criteria Air Pollutants and Precursors	Maximum Pounds Per Day	
	Construction-Related	Operational-Related
Reactive Organic Gases (ROG)	75	55
Carbon Monoxide (CO)	550	550
Nitrogen Oxides (NO_X)	100	55
Sulfur Oxides (SO_X)	150	150
Coarse Particulates (PM_{10})	150	150
Fine Particulates ($PM_{2.5}$)	55	55

Source: South Coast Air Quality Management District, *South Coast AQMD Air Quality Significance Thresholds,* April 2019.

Localized Carbon Monoxide

In addition to the daily thresholds listed above, development associated with the Project would also be subject to the CAAQS and NAAQS. These are addressed though an analysis of localized CO impacts. The significance of localized impacts depends on whether ambient CO levels near the Project are above CO CAAQS and NAAQS (the more stringent CAAQS are 20 ppm for 1-hour and 9 ppm for 8-hour). The SCAB has been designated as attainment under the 1-hour and 8-hour CAAQS.

Localized Significance Thresholds

In addition to the CO hotspot analysis, the SCAQMD developed localized significance thresholds (LSTs) for emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at new development sites (off-site mobile source emissions are not included in the LST analysis). LSTs represent the maximum emissions that can be generated at a project without expecting to cause or substantially contribute to an exceedance of the most stringent CAAQS or NAAQS. LSTs are based on the ambient concentrations of that pollutant within the Project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. LST analysis for construction is applicable for all projects that disturb 5 acres or less on a single day. The City of Irwindale is located within SCAQMD SRA 9 (East San Gabriel Valley). The nearest sensitive receptors are located approximately 445 feet from the Project site (approximately 136 meters). LSTs associated with the 100-meter threshold are provided in **Table 7: Localized Significance Thresholds for Construction/Operations** for informational purposes and to demonstrate that the thresholds increase as acreages increase.

Table 7: Localized Significance Thresholds for Construction/Operations

Project Size	Maximum Pounds Per Day			
	NO_X	CO	PM_{10}	$PM_{2.5}$
1 Acre	159/159	1,914/1,914	34/9	9/3
2 Acres	200/200	2,445/2,445	42/11	12/3
5 Acres	286/286	3,680/3,680	63/16	17/5

NO_X = Nitrogen Oxides; CO = Carbon Monoxide; PM_{10} = Particulate Matter 10 microns in diameter or less; $PM_{2.5}$ = Particulate Matter 2.5 microns in diameter or less

Note: Based on a receptor distance of 100 meters in SRA 9.
Source: South Coast Air Quality Management District, *Localized Significance Threshold Methodology,* July 2008.

4.2 Methodology

This air quality impact analysis considers construction and operational impacts associated with the Project. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod) version 2022.1.1.21. CalEEMod is a Statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Air quality impacts were assessed according to methodologies recommended by CARB and the SCAQMD.

Construction equipment, trucks, worker vehicles, and ground-disturbing activities associated with Project construction would generate emissions of criteria air pollutants and precursors. Daily regional construction emissions are estimated by assuming construction occurs at the earliest feasible date (i.e., a conservative estimate of construction activities) and applying off-road, fugitive dust, and on-road emissions factors in CalEEMod.

Project operations would result in emissions of area sources (consumer products), energy sources (natural gas usage and off-site electricity generation), stationary sources (emergency generators), off-road sources (yard trucks) and mobile sources (motor vehicles from Project generated vehicle trips). Project-generated increases in operational emissions would be predominantly associated with motor vehicle use. The Project vehicle trip generation was obtained from the *Live Oak Irwindale Traffic Impact Analysis* prepared by Environment Planning Development Solutions, Inc. (dated August 2023). Based on the *Traffic Impact Analysis* the Project would generate 174 daily trips, including 48 truck trips comprised of eight 2-axle

trucks, ten 3-axle trucks, and thirty 4+-axle trucks. As discussed above, the SCAQMD provides significance thresholds for emissions associated with proposed Project construction and operations. The proposed Project's construction and operational emissions are compared to the daily criteria pollutant emissions significance thresholds in order to determine the significance of a Project's impact on regional air quality.

The localized effects from the Project's on-site emissions were evaluated in accordance with the SCAQMD's LST Methodology, which uses on-site mass emissions rate look-up tables and Project-specific modeling. LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable NAAQS or CAAQS and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor.

5 POTENTIAL IMPACTS AND MITIGATION

5.1 Air Quality Analysis

Threshold 5.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

As part of its enforcement responsibilities, the EPA requires each State with nonattainment areas to prepare and submit a SIP that demonstrates the means to attain the NAAQS. The SIP must integrate federal, State, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under State law, the CCAA requires an air quality attainment plan to be prepared for areas designated as nonattainment regarding the CAAQS and NAAQS. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

The Project is located within the SCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD is required, pursuant to the FCAA, to reduce emissions of criteria pollutants for which the SCAB is in nonattainment. To reduce such emissions, the SCAQMD drafted the 2016 and 2022 AQMPs (AQMPs). The AQMPs establish a program of rules and regulations directed at reducing air pollutant emissions and achieving CAAQS and NAAQS. The AQMPs are a regional and multi-agency effort including the SCAQMD, the CARB, the SCAG, and the EPA. The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's RTP/SCS, updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. SCAG's latest growth forecasts were defined in consultation with local governments and with reference to local general plans. The Project is subject to the SCAQMD AQMPs.

Criteria for determining consistency with the AQMPs are defined by the following indicators:

- **Consistency Criterion No. 1**: The Project will not result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.
- **Consistency Criterion No. 2**: The Project will not exceed the assumptions in the AQMP or increments based on the years of the Project build-out phase.

According to the SCAQMD's *CEQA Air Quality Handbook*, the purpose of the consistency finding is to determine if a project is inconsistent with the assumptions and objectives of the regional air quality plans, and thus if it would interfere with the region's ability to comply with CAAQS and NAAQS.

The violations to which Consistency Criterion No. 1 refers are CAAQS and NAAQS. As discussed in Threshold 5.2, the Project would not exceed construction or operational emissions standards. Therefore, the Project would not contribute to an existing air quality violation. Thus, the Project is consistent with the first criterion.

Concerning Consistency Criterion No. 2, the AQMPs contains air pollutant reduction strategies based on SCAG's latest growth forecasts, and SCAG's growth forecasts were defined in consultation with local

governments and with reference to local general plans. The Project is consistent with the land use designation and development density assumed for the site in the City's General Plan, and therefore would not exceed the population or job growth projections used by the SCAQMD to develop the AQMPs. Thus, the Project is consistent with the second criterion.

Based on these criteria, the Project would not conflict with or obstruct implementation of the AQMPs and impacts would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 5.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable state or federal ambient air quality standard?

Construction Emissions

Project construction would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the Project area include O_3-precursor pollutants (i.e., ROG and NO_X) and PM_{10} and $PM_{2.5}$. Construction-generated emissions are short term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD's thresholds of significance.

Construction results in the temporary generation of emissions resulting from demolition, site grading, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces. Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities as well as weather conditions and the appropriate application of water.

Project construction activities are estimated to be completed within thirteen (13) months. Construction-generated emissions associated the Project were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. See **Appendix A: Air Quality Modeling Data** for more information regarding the construction assumptions used in this analysis. Predicted maximum daily construction-generated emissions for the Project are summarized in in **Table 8: Construction-Related Emissions.**

Fugitive dust emissions may have a substantial, temporary impact on local air quality. In addition, fugitive and uncontrolled dust may be a nuisance and potential health hazard to those living and working in the Project vicinity. SCAQMD Rules 402 and 403 (prohibition of nuisances, watering of inactive and perimeter areas, track out requirements, etc.), are applicable to the Project and were applied in CalEEMod to minimize fugitive dust emissions. Rule 1113 provides specifications on painting practices and regulates the ROG content of paint. The Project would be required to comply with SCAQMD rules and regulations, including SCAQMD Rules 402, 403, and 1113. As shown in **Table 8**, construction emissions would not exceed SCAQMD threshold for all criteria pollutants. Therefore, impacts would be less than significant.

Table 8: Construction-Related Emissions						
Construction Year	**Maximum Pounds Per Day**					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
2025	5.92	59.81	54.62	0.11	29.50	13.59
2026	16.66	11.52	18.27	0.03	1.34	0.60
Maximum Emissions	*16.66*	*59.81*	*54.62*	*0.11*	*29.50*	*13.59*
SCAQMD Thresholds	***75***	***100***	***550***	***150***	***150***	***55***
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
ROG = Reactive Organic Gases; NO_X = Nitrogen Oxides; CO = Carbon Monoxide; SO_2 = Sulfur Dioxide; PM_{10} = Particulate Matter 10 microns in diameter or less; $PM_{2.5}$ = Particulate Matter 2.5 microns in diameter or less						
SCAQMD Rule 403 Fugitive Dust applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; water exposed surfaces three times daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied.						
Source: CalEEMod version 2022.1.1.13 Refer to Appendix A for model outputs.						

Operational Emissions

The Project's operational emissions would be associated with area sources (e.g., landscape maintenance equipment, architectural coatings, etc.), energy sources, mobile sources (i.e., motor vehicle use), stationary sources (i.e., emergency generators) and off-road equipment. Primary sources of operational criteria pollutants are from motor vehicle use and area sources. Long-term operational emissions attributable to the Project are summarized in **Table 9: Maximum Daily Project Operational Emissions: Existing and Buildout.**

Table 9: Maximum Daily Project Operational Emissions: Existing and Buildout

Source	Maximum Pounds Per Day[1]					
	ROG	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Existing (2024)						
Mobile	2.32	2.29	23.8	0.05	4.92	1.27
Area	1.74	0.02	2.43	<0.005	<0.005	<0.005
Energy	0.02	0.38	0.32	<0.005	0.03	0.03
Total Existing Emissions	**4.08**	**2.67**	**26.6**	**0.06**	**4.95**	**1.30**
Buildout (2026)						
Area	3.20	0.04	4.45	<0.005	0.01	0.01
Energy	0.03	0.53	0.45	<0.005	0.04	0.04
Mobile	0.49	2.68	5.90	0.03	1.84	0.50
Off-Road – Yard Trucks[2,3]	1.79	11.5	27.8	0.05	0.47	0.43
Emergency Generator[2]	1.69	4.71	4.30	0.01	0.25	0.25
Electric Fire Pump[4]	0	0	0	0	0	0
Total Project Emissions	**7.20**	**19.5**	**42.9**	**0.09**	**2.61**	**1.23**
Net Emissions						
Existing Project Site	*4.08*	*2.67*	*26.6*	0.06	*4.95*	*1.30*
Proposed Project	7.20	19.5	42.9	0.09	2.61	1.23
Net Change	+3.12	+16.83	+16.3	+0.03	-2.34	-0.07
SCAQMD Thresholds	***55***	***55***	***550***	***150***	***150***	***55***
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

ROG = Reactive Organic Gases; NO_X = Nitrogen Oxides; CO = Carbon Monoxide; SO_2 = Sulfur Dioxide; PM_{10} = Particulate Matter 10 microns in diameter or less; $PM_{2.5}$ = Particulate Matter 2.5 microns in diameter or less

1. The highest values between summer and winter results were used as a worst-case scenario.
2. Emissions were calculated with CARB OFFROAD 1.0.2.
3. Emissions were calculated for six-yard trucks operating for five hours per day.
4. Emissions for an electric fire pump do not produce emissions like diesel fire pumps and are considered negligible.

Source: CalEEMod version 2022.1.1.21. Refer to **Appendix A** for model outputs.

The Project's operational emissions sources are described below.

- *Area Source Emissions.* Area source emissions would be generated due to on-site equipment, architectural coating, and landscape maintenance equipment.

- *Energy Source Emissions.* Energy source emissions would be generated due to electricity and natural gas usage associated with the Project. Primary uses of electricity and natural gas by the Project would be for miscellaneous warehouse equipment, space heating and cooling, water heating, ventilation, lighting, appliances, and electronics.

- *Mobile Source Emissions.* Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO_X, PM_{10}, and $PM_{2.5}$ are all pollutants of regional concern. NO_X and ROG react with sunlight to form O_3,

known as photochemical smog. Additionally, wind currents readily transport PM_{10} and $PM_{2.5}$. However, CO tends to be a localized pollutant, dispersing rapidly at the source.

Project-generated vehicle emissions are based on the trip generation within the *Traffic Impact Analysis* (Environment Planning Development Solutions, Inc., 2023) and have been incorporated into CalEEMod, as recommended by the SCAQMD. Per *the Traffic Impact Analysis*, the Project would generate 174 total daily vehicle trips, which includes 48 daily truck trips. It should be noted that this analysis conservatively does not account for emissions reductions associated with trips generated by the existing office use.

- *Off-Road Equipment Emissions.* Operational off-road emissions would be generated by off-road cargo handling equipment used during operational activities. Although the Project is a speculative warehouse development and the end user is unknown, it was conservatively assumed that the Project would include six diesel yard truck per the assumptions provided by the Applicant.

- *Emergency Backup Generators*. As the Project warehouse is speculative, it is unknown whether emergency backup generators would be used. Backup generators would only be used in the event of a power failure and would not be part of the Project's normal daily operations. Nonetheless, emissions associated with this equipment were included to be conservative. Emissions from an emergency backup generator for the warehouse building was calculated separately from CalEEMod; refer to **Appendix A**. However, CalEEMod default emissions rates were used. If backup generators are required, the end user would be required to obtain a permit from the SCAQMD prior to installation. Emergency backup generators must meet SCAQMD's Best Available Control Technology (BACT) requirements and comply with SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines), which would minimize emissions.

- *Electric Fire Pump.* The Project would utilize one electric fire pump for the purpose of fire protection services. As the fire pump is powered by electricity, emissions associated with the fire pump would be negligible.

As shown in **Table 9**, and discussed above, net operational (i.e., area, energy, mobile, off-road, and emergency generators) emissions would not exceed SCAQMD thresholds for all criteria pollutants. In addition, pursuant to SCAQMD Rule 2305, all warehouses over 100,000 square feet are required to implement various emission reduction measures related to warehouse operations and mobile sources. Compliance with SCAQMD Rule 2305 would further reduce criteria pollutants, specifically NO_X and particulate matter emissions. Therefore, the Project would not violate any air quality standards or contribute substantially to an existing or projected air quality violation. As a result, operational air quality impacts would be less than significant.

Cumulative Construction Emissions

The SCAB is designated nonattainment for O_3, PM_{10}, and $PM_{2.5}$ CAAQS and nonattainment for O_3 and $PM_{2.5}$ NAAQS. The SCAQMD's *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* notes that projects that result in emissions that do not exceed the project-specific SCAQMD regional thresholds of significance should result in a less than significant impact on a cumulative basis

unless there is other pertinent information to the contrary.[3] The mass-based regional significance thresholds published by the SCAQMD are designed to ensure compliance with both NAAQS and CAAQS and are based on an inventory of projected emissions in the SCAB. Therefore, if a project is estimated to result in emissions that do not exceed the thresholds, the project's contribution to the cumulative impact on air quality in the SCAB would not be cumulatively considerable. As shown in **Table 8** above, Project construction-related emissions would not exceed the SCAQMD significance thresholds for criteria pollutants. Therefore, the Project would not generate a cumulatively considerable contribution to air pollutant emissions during construction.

The SCAQMD has developed strategies to reduce criteria pollutant emissions outlined in the AQMP pursuant to the FCAA mandates. The analysis assumed fugitive dust controls would be utilized during construction, including frequent water applications. SCAQMD rules, mandates, and compliance with adopted AQMP emissions control measures would also be imposed on construction projects throughout the SCAB, which would include related projects. Compliance with SCAQMD rules and regulations would further reduce the Project construction-related impacts. Therefore, Project-related construction emissions, combined with those from other projects in the area, would not substantially deteriorate local air quality. Construction emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

Cumulative Operational Impacts

The SCAQMD has not established separate significance thresholds for cumulative operational emissions. The nature of air emissions is largely a cumulative impact. As a result, no single project is sufficient in size to, by itself, result in nonattainment of CAAQS or NAAQS. Instead, individual project emissions contribute to existing cumulatively significant adverse air quality impacts. The SCAQMD developed the operational thresholds of significance based on the level above which individual project emissions would result in a cumulatively considerable contribution to the SCAB's existing air quality conditions. Therefore, a project that exceeds the SCAQMD operational thresholds would also be a cumulatively considerable contribution to a significant cumulative impact.

Table 9 shows that the net Project operational emissions would not exceed the SCAQMD thresholds. As a result, operational emissions associated with the Project would not represent a cumulatively considerable contribution to significant cumulative air quality impacts. Therefore, cumulative operational impacts would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 5.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

Localized Construction Significance Analysis

To identify impacts to sensitive receptors, the SCAQMD recommends addressing LSTs for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the *Final Localized Significance Threshold Methodology* (dated June

[3] SCAQMD, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution,* Appendix D, 2003.

2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with Project-specific emissions.

Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, **Table 10: Equipment-Specific Grading Rates**, is used to determine the maximum daily disturbed acreage for comparison to LSTs. The appropriate SRA for the localized significance thresholds is the East San Gabriel Valley (SRA 9) as this area includes the Project. LSTs apply to CO, NO_2, PM_{10}, and $PM_{2.5}$. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size. Project construction is anticipated to disturb a maximum of 2.5 acres out of the total Project acreage of 4.9 net acres in a single day . As the LST guidance provides thresholds for projects disturbing 1-, 2-, and 5-acres in size and the thresholds increase with size of the site, the LSTs for a 2.5-acre threshold were interpolated and utilized for this analysis.

Table 10: Equipment-Specific Grading Rates

Construction Phase	Equipment Type	Equipment Quantity	Acres Graded per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Grading	Tractors	3	0.5	8	1.5
	Graders	1	0.5	8	0.5
	Dozers	1	0.5	8	0.5
	Scrapers	0	1	8	0
				Total Acres Graded per Day	**2.5**

Source: CalEEMod version 2022.1.1.21. Refer to **Appendix A** for model outputs.

The SCAQMD's methodology states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs." Therefore, only emissions included in the CalEEMod "on-site" emissions outputs were considered. The nearest sensitive receptors are the single-family residences located approximately 445 feet (136 meters) to the southeast of the Project site. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, LSTs for receptors located at 136 meters were interpolated in this analysis. **Table 11: Localized Significance of Construction Emissions,** presents the results of localized emissions during each construction phase. **Table 11** shows that emissions of these pollutants on the peak day of construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, localized construction emissions would be less than significant.

Table 11: Localized Significance of Construction Emissions				
Construction Activity	**Maximum Pounds Per Day**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
Demolition	22.19	19.92	0.92	0.84
Site Preparation	31.64	30.17	21.02	11.36
Grading	16.27	17.91	7.80	4.08
Infrastructure Improvements	9.85	12.96	0.38	0.35
Building Construction	9.85	12.97	0.38	0.35
Paving	7.11	9.93	0.32	0.29
Architectural Coating	0.86	1.13	0.02	0.02
Maximum Daily Emissions	*31.64*	*30.17*	*21.02*	*11.36*
SCAQMD Localized Screening Threshold (adjusted for 2.5 acres at 136 meters)	***250***	***3,403***	***63***	***16***
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**
NO_X = Nitrogen Oxides; CO = Carbon Monoxide; PM_{10} = Particulate Matter 10 microns in diameter or less; $PM_{2.5}$ = Particulate Matter 2.5 microns in diameter or less				
Source: CalEEMod version 2022.1.1.21. Refer to **Appendix A** for model outputs.				

Localized Operational Significance Analysis

According to the SCAQMD LST methodology, LSTs would apply to the operational phase of a project only if it includes stationary sources or attracts mobile sources that may spend long periods queuing and idling at the site (e.g., warehouse or transfer facilities). Since the Project includes development of warehouse buildings, the operational phase LST protocol is conservatively applied to both the area source and a portion of the mobile source emissions. As the closest receptors are located 136 meters (445 feet) to the south of the Project site, the LST thresholds for 136 meters were interpolated for this analysis. Although the Project site is 4.9 net acres, the 4-acre LST threshold was conservatively used because the LSTs increase with the size of the site. Therefore, the 4-acre LSTs are conservative for evaluation of a 4.9 net acre site.

The LST analysis only includes on-site sources. However, the CalEEMod model outputs do not separate on- and off-site emissions for mobile sources. For a worst-case scenario assessment, the emissions shown in **Table 12: Localized Significance of Operational Emissions** conservatively include all on-site Project-related stationary sources, including on-site off-road equipment (yard trucks), and 30 percent of the Project-related mobile sources, since a portion of mobile sources would include trucks idling on-site.[4] **Table 12** shows that the maximum daily emissions of these pollutants during Project operations would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, localized operational emissions would be less than significant.

[4] Per the Traffic Impact Analysis the Project would generate 174 total daily vehicle trips, which includes 48 daily truck trips (30 percent of total daily trips).

Table 12: Localized Significance of Operational Emissions				
Activity	**Maximum Pounds Per Day**			
	NO_X	**CO**	**PM_{10}**	**$PM_{2.5}$**
On-Site and Mobile Source Emissions	23.64	276.85	1.05	0.60
SCAQMD Localized Screening Threshold (adjusted for 4 acres at 136 meters)	***295***	***4,130***	***20***	***5***
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**
NO_X = Nitrogen Oxides; CO = Carbon Monoxide; PM_{10} = Particulate Matter 10 microns in diameter or less; $PM_{2.5}$ = Particulate Matter 2.5 microns in diameter or less				
Source: CalEEMod version 2022.1.1.21. Refer to **Appendix A** for model outputs.				

Criteria Pollutant Health Impacts

On December 24, 2018, the California Supreme Court issued an opinion identifying the need to provide sufficient information connecting a project's air emissions to health impacts or explain why such information could not be ascertained (*Sierra Club v. County of Fresno* [Friant Ranch, L.P.] [2018] Cal.5th, Case No. S219783).

The SCAQMD has set its CEQA significance thresholds based on the FCAA, which defines a major stationary source (in extreme ozone nonattainment areas such as the SCAB) as emitting 10 tons per year. The thresholds correlate with the trigger levels for the federal New Source Review (NSR) Program and SCAQMD Rule 1303 for new or modified sources. The NSR Program[5] was created by the FCAA to ensure that stationary sources of air pollution are constructed or modified in a manner that is consistent with attainment of health-based NAAQS. The NAAQS establish the levels of air quality necessary, with an adequate margin of safety, to protect the public health. Therefore, projects that do not exceed the SCAQMD's LSTs and mass emissions thresholds would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and no criteria pollutant health impacts.

As previously discussed, localized effects of on-site Project emissions on nearby receptors were found to be less than significant (refer to **Table 11** and **Table 12**). The LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable State or federal ambient air quality standard. The LSTs were developed by the SCAQMD based on the ambient concentrations of that pollutant for each SRA and distance to the nearest sensitive receptor. The CAAQS and NAAQS establish the levels of air quality necessary, with an adequate margin of safety, to protect public health, including protecting the health of sensitive populations. Information on health impacts related to exposure to ozone and particulate matter emissions published by the U.S. EPA and CARB have been summarized above and discussed in the Regulatory Setting section. As shown above, Project-related emissions would not exceed the regional thresholds or the LSTs, and therefore would not exceed the CAAQS or NAAQS or cause an increase in the frequency or severity of existing violations of air quality standards. Therefore, sensitive receptors would not be exposed to criteria pollutant levels in excess of the health-based CAAQS or NAAQS.

[5] Code of Federal Regulation (CFR) [i.e., PSD (40 CFR 52.21, 40 CFR 51.166, 40 CFR 51.165 (b)), Non-attainment NSR (40 CFR 52.24, 40 CFR 51.165, 40 CFR part 51, Appendix S)

Carbon Monoxide Hotspots

An analysis of CO "hot spots" is needed to determine whether the change in the level of service of an intersection resulting from the Project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined. Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard.

The SCAB was re-designated as attainment in 2007 and CO is no longer addressed in the SCAQMD's AQMP. The 2003 AQMP is the most recent version that addresses CO concentrations. As part of the SCAQMD *CO Hotspot Analysis*, the Wilshire Boulevard/Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. This modeling effort identified a CO concentration high of 4.6 ppm, which is well below the 35-ppm Federal standard. The Project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD's *CO Hotspot Analysis*. As the CO hotspots were not experienced at the Wilshire Boulevard/Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO hotspots would not be experienced at any vicinity intersections as the Project would result in 174 daily trips. Therefore, impacts would be less than significant.

Carcinogenic Risk

Construction-related activities would result in Project-generated emissions of diesel particulate matter (DPM) from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, DPM from the exhaust of off-road, heavy-duty diesel equipment is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. As such, the diesel exhaust from construction equipment operating at the site could potentially pose a health risk to nearby sensitive receptors.

Operational vehicle DPM emissions were estimated using emission factors for PM_{10} generated with the Emissions Factors (EMFAC) developed by CARB. EMFAC is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources. EMFAC, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day. The model includes the emissions benefits of the truck and bus rule and the previously adopted rules for other on-road diesel equipment. The nearest sensitive receptors are the residences located approximately 445 feet to the southeast of the Project site. The nearest off-site use is located approximately 130 feet west of the Project site.

Table 13: Carcinogenic Risk Assessment shows the health risk for the following scenarios: construction, operation, and combined construction and operation of the Project. Based on OEHHA *Risk Assessment*

Guidelines, the exposure duration for a resident is 30 years, beginning with the third trimester. Operations would commence after construction. As such, construction would not overlap with operations. The analysis calculates risk based on exposure to construction concentrations during the entire 13 months of the exposure duration and operational concentrations for the remainder of the exposure duration.

Table 13: Carcinogenic Risk Assessment

Exposure Scenario	Cancer Risk (Risk per Million)[2]	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
Construction			
Residential Receptors	0.90	10	No
Worker Receptor	0.86	10	No
Operations			
Residential Receptors	2.06	10	No
Worker Receptor	3.51	10	No
Combined (Construction + Operation Sequential)			
Residential Receptors	3.04	10	No
Worker Receptor	4.37	10	No

1. The reported annual pollutant concentration is at the closest maximally exposed individual resident (MEIR) to the Project site.

Source: Refer to the Health Risk Assessment prepared for the Project (Kimley-Horn, 2024).

As shown in **Table 13**, the construction risk at residential and worker receptors would be approximately one in one million. Additionally, the operational cancer risk at residential and worker receptors would be approximately two and four in one million, respectively. Further, the combined construction and operational cancer risk[6] at residential and worker receptors would be three and four in one million, respectively. As such, the maximum construction, operational, and combined construction and operational cancer risk would not exceed the SCAQMD threshold of 10 in one million and impacts associated with carcinogenic risk would be less than significant.

Non-Carcinogenic Hazard

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. RELs are designed to protect sensitive individuals within the population. According to OEHHA, the REL for DPM is 5 and the target organ is the respiratory system.[7]

Chronic non-carcinogenic impacts are shown in **Table 14: Chronic Hazard Assessment**. A chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the chronic exposure by the reference exposure level. The chronic hazard was calculated based on the highest annual average concentration at the maximally exposed individual receptor. It should be noted that there is no acute REL for DPM and acute health risk cannot be calculated. The highest maximum chronic hazard index associated with DPM emissions from Project construction would be 0.0013 at the residential receptors and 0.0165 at the worker receptors. Additionally, the highest maximum chronic hazard index associated with DPM emissions from Project operations would be 0.0007 at the residential receptors and 0.0028 at the worker receptors. Therefore, construction and operational non-carcinogenic hazards would not exceed the acceptable limits of 1.0 and impacts would be considered less than significant.

[6] Based on OEHHA *Risk Assessment Guidelines*, the exposure duration for a resident is 30 years, beginning with the third trimester. As such, the combined construction and operations scenario includes the recommended residential exposure during of 30 years in sequential order.

[7] California Office of Environmental Health Hazard Assessment, *OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary*, available at https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary.

Table 14: Chronic Hazard Assessment		
Exposure Scenario	**Annual Concentration (µg/m³)[1]**	**Chronic Hazard**
Construction		
Residential Receptors	0.0066	0.0013
Worker Receptors	0.0826	0.0165
Operation		
Residential Receptors	0.0034	0.0007
Worker Receptors	0.0141	0.0028
SCAQMD Threshold	N/A	1.0
Threshold Exceeded?	**N/A**	**No**
Notes: 1. The reported pollutant concentration is at the closest receptor (maximally exposed individual receptor).		
Source: Refer to the Health Risk Assessment prepared for the Project (Kimley-Horn, 2024).		

As described above, impacts related to cancer risk would be less than significant. Additionally, non-carcinogenic hazards are calculated to be within acceptable limits. It should be noted that the impacts assess the Project's incremental contribution to health risk impacts, consistent with the SCAQMD guidance and methodology. The SCAQMD has not established separate cumulative thresholds and does not require combining impacts from cumulative projects. The SCAQMD considers projects that do not exceed the project-specific thresholds to generally not be cumulatively significant.[8] Therefore, impacts related to health risk from the Project would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

Threshold 5.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Construction

Odors that could be generated by construction activities are required to follow SCAQMD Rule 402 to prevent odor nuisances on sensitive land uses. SCAQMD Rule 402, Nuisance, states:

> *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 the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.*

Odors may be generated during construction activities such as, equipment diesel exhaust, architectural coatings volatile organic compounds, and paving activities. However, these odors would be temporary,

[8] South Coast Air Quality Management District, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, August 2003.

are not expected to affect a substantial number of people, and would disperse rapidly. Therefore, impacts related to odors associated with the Project's construction-related activities would be less than significant.

Operations

The SCAQMD *CEQA Air Quality Handbook* identifies certain land uses as sources of odors. These land uses include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding. The Project would not include any of the land uses that have been identified by the SCAQMD as odor sources. Therefore, the Project would not create objectionable odors and no impact would occur.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6 REFERENCES

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16. United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants (Green Book)*, 2022.

Appendix A

Air Quality Modeling Data

14005 Live Oak Avenue Project Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

3.3. Site Preparation (2025) - Unmitigated

3.5. Grading (2025) - Unmitigated

3.7. Building Construction (2026) - Unmitigated

3.9. Building Construction. (2026) - Unmitigated

3.11. Paving (2026) - Unmitigated

3.13. Architectural Coating (2026) - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14005 Live Oak Avenue Project
Construction Start Date	9/1/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	22.4
Location	14005 Live Oak Ave, Irwindale, CA 91706, USA
County	Los Angeles-South Coast
City	Irwindale
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4900
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Unrefrigerated Warehouse-No Rail	102	1000sqft	2.35	102,424	0.00	—	—	—
Parking Lot	131	1000sqft	3.01	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.32	16.7	59.8	54.6	0.11	2.34	27.2	29.5	2.16	11.4	13.6	—	13,922	13,922	0.63	0.83	12.7	14,198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.46	7.72	76.4	73.1	0.14	3.07	34.4	37.5	2.83	14.9	17.7	—	17,056	17,056	0.76	0.86	0.35	17,333
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.08	3.40	8.80	8.60	0.02	0.35	3.96	4.31	0.32	1.70	2.03	—	1,983	1,983	0.09	0.11	0.80	2,017
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.20	0.62	1.61	1.57	< 0.005	0.06	0.72	0.79	0.06	0.31	0.37	—	328	328	0.01	0.02	0.13	334

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	7.32	5.92	59.8	54.6	0.11	2.34	27.2	29.5	2.16	11.4	13.6	—	13,922	13,922	0.63	0.83	12.7	14,198
2026	1.71	16.7	11.5	18.3	0.03	0.41	0.93	1.34	0.37	0.22	0.60	—	3,870	3,870	0.16	0.12	4.18	3,915
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	9.46	7.72	76.4	73.1	0.14	3.07	34.4	37.5	2.83	14.9	17.7	—	17,056	17,056	0.76	0.86	0.35	17,333
2026	1.50	1.24	10.6	15.6	0.03	0.39	0.71	1.09	0.35	0.17	0.52	—	3,473	3,473	0.14	0.11	0.09	3,511
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.08	0.88	8.80	8.31	0.02	0.35	3.96	4.31	0.32	1.70	2.03	—	1,983	1,983	0.09	0.11	0.70	2,017
2026	0.82	3.40	5.73	8.60	0.01	0.21	0.39	0.60	0.19	0.10	0.28	—	1,862	1,862	0.08	0.06	0.80	1,882
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.20	0.16	1.61	1.52	< 0.005	0.06	0.72	0.79	0.06	0.31	0.37	—	328	328	0.01	0.02	0.12	334
2026	0.15	0.62	1.05	1.57	< 0.005	0.04	0.07	0.11	0.03	0.02	0.05	—	308	308	0.01	0.01	0.13	312

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.48	3.72	3.12	10.8	0.03	0.08	1.81	1.89	0.08	0.47	0.55	97.3	4,568	4,665	10.1	0.44	9.79	5,059
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.68	2.99	3.21	5.86	0.03	0.07	1.81	1.88	0.07	0.47	0.54	97.3	4,492	4,589	10.1	0.44	0.25	4,974

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.22	3.49	3.26	9.05	0.03	0.08	1.79	1.87	0.08	0.46	0.54	97.3	4,520	4,617	10.1	0.45	4.23	5,006
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.22	0.64	0.59	1.65	0.01	0.01	0.33	0.34	0.01	0.08	0.10	16.1	748	764	1.67	0.07	0.70	829

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.63	0.49	2.55	5.91	0.03	0.03	1.81	1.84	0.03	0.47	0.50	—	3,200	3,200	0.13	0.32	9.79	3,309
Area	0.79	3.20	0.04	4.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Energy	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,196	1,196	0.11	0.01	—	1,201
Water	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Waste	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Total	1.48	3.72	3.12	10.8	0.03	0.08	1.81	1.89	0.08	0.47	0.55	97.3	4,568	4,665	10.1	0.44	9.79	5,059
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.62	0.49	2.68	5.42	0.03	0.03	1.81	1.84	0.03	0.47	0.50	—	3,143	3,143	0.13	0.32	0.25	3,243
Area	—	2.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,196	1,196	0.11	0.01	—	1,201
Water	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Waste	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Total	0.68	2.99	3.21	5.86	0.03	0.07	1.81	1.88	0.07	0.47	0.54	97.3	4,492	4,589	10.1	0.44	0.25	4,974

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.62	0.49	2.70	5.56	0.03	0.03	1.79	1.82	0.03	0.46	0.49	—	3,158	3,158	0.13	0.33	4.23	3,262
Area	0.54	2.97	0.03	3.05	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.5	12.5	< 0.005	< 0.005	—	12.6
Energy	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,196	1,196	0.11	0.01	—	1,201
Water	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Waste	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Total	1.22	3.49	3.26	9.05	0.03	0.08	1.79	1.87	0.08	0.46	0.54	97.3	4,520	4,617	10.1	0.45	4.23	5,006
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.11	0.09	0.49	1.01	0.01	0.01	0.33	0.33	0.01	0.08	0.09	—	523	523	0.02	0.05	0.70	540
Area	0.10	0.54	< 0.005	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.08	2.08	< 0.005	< 0.005	—	2.08
Energy	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	198	198	0.02	< 0.005	—	199
Water	—	—	—	—	—	—	—	—	—	—	—	7.51	25.3	32.8	0.77	0.02	—	57.7
Waste	—	—	—	—	—	—	—	—	—	—	—	8.59	0.00	8.59	0.86	0.00	—	30.1
Total	0.22	0.64	0.59	1.65	0.01	0.01	0.33	0.34	0.01	0.08	0.10	16.1	748	764	1.67	0.07	0.70	829

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolitio n	—	—	—	—	—	—	5.80	5.80	—	0.88	0.88	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolitio n	—	—	—	—	—	—	5.80	5.80	—	0.88	0.88	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.35	0.30	2.74	2.46	< 0.005	0.11	—	0.11	0.10	—	0.10	—	422	422	0.02	< 0.005	—	424
Demolitio n	—	—	—	—	—	—	0.72	0.72	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.06	0.05	0.50	0.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	69.9	69.9	< 0.005	< 0.005	—	70.1
Demolitio n	—	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	0.76	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.37	0.07	5.83	2.27	0.03	0.06	1.27	1.33	0.06	0.35	0.41	—	4,752	4,752	0.26	0.75	11.0	4,992

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	0.02	199
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.36	0.07	6.06	2.29	0.03	0.06	1.27	1.33	0.06	0.35	0.41	—	4,754	4,754	0.26	0.75	0.29	4,983
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.6	24.6	< 0.005	< 0.005	0.04	24.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.76	0.28	< 0.005	0.01	0.16	0.16	0.01	0.04	0.05	—	586	586	0.03	0.09	0.59	615
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.07	4.07	< 0.005	< 0.005	0.01	4.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	97.0	97.0	0.01	0.02	0.10	102

3.3. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movemen	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movemen	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.49	0.41	3.90	3.72	0.01	0.17	—	0.17	0.15	—	0.15	—	653	653	0.03	0.01	—	655
Dust From Material Movemen	—	—	—	—	—	—	2.42	2.42	—	1.25	1.25	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.09	0.07	0.71	0.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	108	108	< 0.005	< 0.005	—	108
Dust From Material Movemen	—	—	—	—	—	—	0.44	0.44	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	1.22	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	242	242	0.01	0.01	0.89	246

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.7	28.7	< 0.005	< 0.005	0.05	29.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.75	4.75	< 0.005	< 0.005	0.01	4.81
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970

Dust From Material Movemen	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.18	0.15	1.38	1.52	< 0.005	0.06	—	0.06	0.06	—	0.06	—	251	251	0.01	< 0.005	—	252
Dust From Material Movemen	—	—	—	—	—	—	0.60	0.60	—	0.29	0.29	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.03	0.03	0.25	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.6	41.6	< 0.005	< 0.005	—	41.8
Dust From Material Movemen	—	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	0.02	199
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.03	17.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.81	2.81	< 0.005	< 0.005	< 0.005	2.84
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.09	0.08	0.70	0.92	< 0.005	0.03	—	0.03	0.02	—	0.02	—	171	171	0.01	< 0.005	—	171
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipmen	0.02	0.01	0.13	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.3	28.3	< 0.005	< 0.005	—	28.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.19	2.37	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	553	553	0.03	0.02	0.05	559
Vendor	0.04	0.01	0.60	0.29	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	—	524	524	0.02	0.07	0.04	546
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.9	39.9	< 0.005	< 0.005	0.06	40.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.3	37.3	< 0.005	0.01	0.04	39.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.61	6.61	< 0.005	< 0.005	0.01	6.70
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.17	6.17	< 0.005	< 0.005	0.01	6.45
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction. (2026) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.55	0.46	4.24	5.58	0.01	0.16	—	0.16	0.15	—	0.15	—	1,031	1,031	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.10	0.08	0.77	1.02	< 0.005	0.03	—	0.03	0.03	—	0.03	—	171	171	0.01	< 0.005	—	171
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.17	2.78	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	583	583	0.02	0.02	1.97	591
Vendor	0.04	0.02	0.58	0.28	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	—	523	523	0.02	0.07	1.41	548
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.19	2.37	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	553	553	0.03	0.02	0.05	559
Vendor	0.04	0.01	0.60	0.29	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	—	524	524	0.02	0.07	0.04	546
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	1.07	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	241	241	0.01	0.01	0.37	244
Vendor	0.02	0.01	0.26	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	225	225	0.01	0.03	0.26	235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.19	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.9	39.9	< 0.005	< 0.005	0.06	40.5
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.3	37.3	< 0.005	0.01	0.04	38.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.03	0.02	0.21	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.5	45.5	< 0.005	< 0.005	—	45.7
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	< 0.005	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.56
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.97	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	203	203	0.01	0.01	0.69	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.89	5.89	< 0.005	< 0.005	0.01	5.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	14.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.03	0.02	0.15	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.1	24.1	< 0.005	< 0.005	—	24.2
Architectural Coatings	—	2.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipmen	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.00	4.00	< 0.005	< 0.005	—	4.01
Architectural Coatings	—	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	1.11	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	233	233	0.01	0.01	0.79	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	40.6	40.6	< 0.005	< 0.005	0.06	41.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.71	6.71	< 0.005	< 0.005	0.01	6.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.45	0.41	0.26	4.45	0.01	0.01	1.09	1.09	0.01	0.28	0.28	—	1,081	1,081	0.04	0.03	3.82	1,094
Parking Lot	0.18	0.09	2.29	1.46	0.02	0.03	0.72	0.75	0.03	0.19	0.22	—	2,119	2,119	0.09	0.29	5.98	2,215
Total	0.63	0.49	2.55	5.91	0.03	0.03	1.81	1.84	0.03	0.47	0.50	—	3,200	3,200	0.13	0.32	9.79	3,309
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.44	0.40	0.29	4.01	0.01	0.01	1.09	1.09	0.01	0.28	0.28	—	1,029	1,029	0.04	0.03	0.10	1,039
Parking Lot	0.18	0.08	2.38	1.41	0.02	0.03	0.72	0.75	0.03	0.19	0.22	—	2,114	2,114	0.09	0.29	0.16	2,204
Total	0.62	0.49	2.68	5.42	0.03	0.03	1.81	1.84	0.03	0.47	0.50	—	3,143	3,143	0.13	0.32	0.25	3,243
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.08	0.07	0.05	0.76	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	173	173	0.01	< 0.005	0.27	175
Parking Lot	0.03	0.02	0.44	0.26	< 0.005	0.01	0.13	0.14	< 0.005	0.03	0.04	—	350	350	0.02	0.05	0.43	366

Total	0.11	0.09	0.49	1.01	0.01	0.01	0.33	0.33	0.01	0.08	0.09	—	523	523	0.02	0.05	0.70	540

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	455	455	0.04	0.01	—	457
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Total	—	—	—	—	—	—	—	—	—	—	—	—	564	564	0.05	0.01	—	567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	455	455	0.04	0.01	—	457
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Total	—	—	—	—	—	—	—	—	—	—	—	—	564	564	0.05	0.01	—	567
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	75.3	75.3	0.01	< 0.005	—	75.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.0	18.0	< 0.005	< 0.005	—	18.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	93.3	93.3	0.01	< 0.005	—	93.9

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	633	633	0.06	< 0.005	—	635
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	633	633	0.06	< 0.005	—	635
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	633	633	0.06	< 0.005	—	635
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	633	633	0.06	< 0.005	—	635

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	0.01	< 0.005	—	105
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	0.01	< 0.005	—	105

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.79	0.73	0.04	4.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Total	0.79	3.20	0.04	4.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	—	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	2.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.10	0.09	< 0.005	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.08	2.08	< 0.005	< 0.005	—	2.08
Total	0.10	0.54	< 0.005	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.08	2.08	< 0.005	< 0.005	—	2.08

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	7.51	25.3	32.8	0.77	0.02	—	57.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	7.51	25.3	32.8	0.77	0.02	—	57.7

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

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

Unrefrige Warehous Rail	— -No	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	8.59	0.00	8.59	0.86	0.00	—	30.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	8.59	0.00	8.59	0.86	0.00	—	30.1

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

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

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	9/1/2025	11/2/2025	5.00	45.0	—
Site Preparation	Site Preparation	9/1/2025	11/1/2025	5.00	45.0	—
Grading	Grading	11/1/2025	12/15/2025	5.00	31.0	—
Building Construction	Building Construction	1/2/2026	2/7/2026	5.00	26.0	Infrastructure improvements
Building Construction.	Building Construction	2/8/2026	9/15/2026	5.00	157	—
Paving	Paving	9/16/2026	9/30/2026	5.00	11.0	—
Architectural Coating	Architectural Coating	7/1/2026	9/30/2026	5.00	66.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction.	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction.	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction.	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction.	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction.	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	68.6	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	43.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	16.8	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	17.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction.	—	—	—	—
Building Construction.	Worker	43.0	18.5	LDA,LDT1,LDT2
Building Construction.	Vendor	16.8	10.2	HHDT,MHDT
Building Construction.	Hauling	0.00	20.0	HHDT
Building Construction.	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	153,636	51,212	7,865

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	12,345	—

Site Preparation	—	—	67.5	0.00	—
Grading	—	—	31.0	0.00	—
Paving	0.00	0.00	0.00	0.00	3.01

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	3.01	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	126	126	126	45,983	1,429	1,429	1,429	521,521
Parking Lot	48.0	48.0	48.0	17,512	684	684	684	249,478

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	153,636	51,212	7,865

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	479,381	346	0.0330	0.0040	1,974,340
Parking Lot	114,834	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	23,685,550	0.00

Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	96.3	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.5	annual days of extreme heat

Extreme Precipitation	6.00	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	82.6
AQ-PM	66.5
AQ-DPM	68.2
Drinking Water	84.6
Lead Risk Housing	67.8
Pesticides	53.5

Toxic Releases	75.3
Traffic	88.3
Effect Indicators	—
CleanUp Sites	83.1
Groundwater	92.7
Haz Waste Facilities/Generators	91.7
Impaired Water Bodies	43.8
Solid Waste	99.3
Sensitive Population	—
Asthma	54.4
Cardio-vascular	36.6
Low Birth Weights	36.1
Socioeconomic Factor Indicators	—
Education	69.8
Housing	35.3
Linguistic	36.5
Poverty	48.7
Unemployment	73.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—

Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	58.6
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	87.2
Physically Disabled	24.6
Heart Attack ER Admissions	66.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	1.3
SLR Inundation Area	0.0
Children	19.0
Elderly	62.6
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	37.5
Climate Change Adaptive Capacity	—

Impervious Surface Cover	29.6
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	83.0
Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Construction: Construction Phases	Based on client construction questionnaire
Operations: Vehicle Data	Based on client construction questionnaire
Operations: Fleet Mix	Anticipation of trip gen

Appendix B

Health Risk Assessment

Kimley»Horn

Health Risk Assessment
14005 Live Oak Avenue Project
City of Irwindale, California

Prepared by:

Kimley-Horn and Associates, Inc.

Kimley»Horn
Expect More. Experience Better.

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TABLE OF CONTENTS

1 INTRODUCTION 1
1.1 Project Site and Location 1
1.2 Project Description 1

2 ENVIRONMENTAL SETTING 6
2.1 Climate 6
2.2 Meteorology 6
2.3 Toxic Air Contaminants 7
2.4 Sensitive Receptors 8

3 REGULATORY SETTING 9
3.1 Federal 9
3.2 State of California 10
3.3 Regional 14

4 SIGNIFICANCE CRITERIA AND METHODOLOGY 15
4.1 Health Risk Analysis Thresholds 15
4.2 Methodology 15

5 POTENTIAL HEALTH RISK IMPACTS 21
5.1 Carcinogenic Risk 21
5.2 Non-Carcinogenic Hazard 22
5.3 Conclusion 22

6 REFERENCES 24

TABLES
Table 1: Sensitive Receptors 8
Table 2: Exposure Assumptions 19
Table 3: Carcinogenic Risk Assessment 21
Table 4: Chronic Hazard Assessment 22

EXHIBITS
Exhibit 1: Regional Vicinity Map 3
Exhibit 2: Local Vicinity Map 4
Exhibit 3: Site Plan 5

APPENDIX
Appendix A: Modeling Data

LIST OF ABBREVIATED TERMS

A	absorption factor from inhalation
ACES	Advanced Collaborative Emissions Study
ASF	age sensitivity factor
AB	Assembly Bill
APN	Assessor's Parcel Number
APS	auxiliary power system
AT	averaging time
AQMP	Air Quality Management Plan
ATCM	Airborne Toxic Control Measure
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
CPF	cancer potency factor
C_{air}	air concentration from model
C_i	air concentration of substance
DBR	daily breathing rate
DOORS	Diesel Off-Road Reporting System
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
Dose-air	dose through inhalation
EMFAC	Emission Factors Model
ED	exposure duration
EF	exposure frequency
°F	degrees Fahrenheit
FCAA	Federal Clean Air Act
FAH	fraction of time spent at home
GVWR	gross vehicle weight rating
HAP	hazardous air pollutant
HRA	health risk assessment
kg	kilogram
L	Liter
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Resident
mg	milligrams
$\mu g/m^3$	micrograms per cubic meter
MSAT	Mobile Source Air Toxic
NAAQS	National Ambient Air Quality Standards
NED	National Elevation Dataset
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment

LIST OF ABBREVIATED TERMS (CONTINUED)

PM	particulate matter
PM10	particulate matter less than 10 microns in diameter
PM2.5	particulate matter less than 2.5 microns in diameter
PERP	Portable Equipment Registration Program
REL	Reference Exposure Level
REL_i	Reference Exposure Level of substance
$Risk_{inh\text{-}res}$	residential inhalation cancer risk
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
T-BACT	toxics best available control technology
TAC	Toxic Air Contaminant
U.S. EPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOC	volatile organic compound

1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Toxic Air Contaminants (TAC) including Diesel Particulate Matter (DPM) resulting from the implementation of the 14005 Live Oak Avenue Project (Project). This HRA was prepared in accordance with the requirements of the South Coast Air Quality Management District (SCAQMD) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur from the Project. In addition to this HRA, an Air Quality Assessment for this Project has also been prepared. The emissions modeling outputs used in this HRA are provided in **Appendix A: Modeling Data.**

1.1 Project Location

The Project site is located in the eastern portion of the City of Irwindale (City or Irwindale) in the County of Los Angeles (County). The City is approximately 20 miles east of downtown Los Angeles and is neighbored by the cities of West Covina, Baldwin Park, Azusa, Duarte, El Monte, Monrovia, and the unincorporated areas of Los Angeles County; see **Exhibit 1: Regional Vicinity Map**. The Project site is located at 14005 Live Oak Avenue at the northeastern corner of the Live Oak Avenue/Stewart Avenue intersection and is bound by vacant land currently undergoing grading to the east, Live Oak Avenue and the City of Baldwin Park to the south, Stewart Avenue to the west, and Rivergrade Road to the north (see **Exhibit 2: Local Vicinity Map**). The Project site is comprised of 5.13 gross acres (4.86 net acres, Assessor's Parcel Number 8535-001-033), with 0.27 acres designated as street dedication.

Regional access to the Project site is provided via the Interstate 605 freeway (I-605) located approximately 0.6-mile to the west. The Interstate 210 (I-210), Interstate 10 (I-10), and State Route 39 (SR-39) freeways also provide regional access to the Project site and are approximately 1.8 miles north, 2.5 miles south, and 3.4 miles east of the Project site, respectively. Local access to the Project site is provided via Live Oak Avenue to the east and Rivergrade Road to the north.

1.2 Project Description

The Project proposes to demolish the existing 56,000-square foot industrial office building and construct a one-story concrete tilt-up warehouse building with a mezzanine totaling 102,400 square feet with associated employee parking, truck docks, and landscaping. The proposed building would include 6,000 square feet of office space in the southeastern portion of the building (3,000 square feet each on the ground floor and mezzanine), and 96,400 square feet of warehouse space on the ground floor; refer to **Exhibit 3: Site Plan**. The Project would have a floor area ratio (FAR) of 0.48. An outdoor employee break area would be located immediately south of the proposed building adjacent to the office space. The Project would be designed to comply with Leadership in Energy and Environmental Design (LEED) Gold standards. The Project would also include security measures such as security lighting, a surveillance camera system, and 24/7 security personnel. As the proposed building is a speculative warehouse with no known tenant, this analysis assumes that the new building would be 100 percent warehousing and would not include any manufacturing, cold storage, or refrigerated space. The Project proposes one electric pump for fire protection services and one emergency diesel generator was modeled for the site.[1]

[1] The emergency generator fuel type is diesel (175-300 HP), assumed for a maximum maintenance and testing of one hour a day or 50 hours per year. The proposed generator has 238 horsepower with a load factor of 0.73.

Access and Parking

The proposed building would have a main entrance/storefront on the southeastern side of the building that would lead into the office space. Eight (8) smaller entrances with stairs and handrails would be on the northern, western, and southern sides of the building, and five (5) would be on the eastern side to provide access to the truck yard and parking lots.

Vehicular access to the Project site would be provided via two (2) new 40-foot driveways: one (1) each off Rivergrade Road and Live Oak Avenue. The northern driveway off Rivergrade Road would provide full ingress and egress for trucking and automobiles for employees only. The southern driveway off Live Oak Avenue would provide ingress and egress only for employee/visitor vehicles and would allow right-in/right-out access only. Both driveways would connect to an internal drive aisle, which is divided by a manual tube steel swing gate on the central eastern portion of the Project site. The gate would restrict access into the truck yard and parking areas on the northeastern portion of the Project site to employees only. The internal drive aisle would also operate as a fire access lane and provide an unobstructed width of 28 feet. The Project would remove and reconstruct the existing Project site driveways in accordance with applicable engineering standards of the City of Irwindale Public Works Department.

The Project would include surface parking on the eastern portion of the Project site. The Project proposes to provide sixty-five (65) parking spaces throughout the parking lots, which would include fifteen (15) compact spaces on the northeastern portion of the Project site; and four (4) handicapped accessible spaces, twelve (12) electric vehicle (EV) spaces, and seven (7) EV charging station stalls on the central and southeastern portions. The Project would also provide twelve (12) dock positions and thirteen (13) trailer stalls along the northeastern Project site boundary and across from the proposed truck yard. Additionally, the Project would provide four (4) long-term and four (4) short-term bicycle spaces adjacent to the central and southeastern parking lots. The dock doors would be used for truck loading and unloading in the truck yard adjacent to the northeastern portion of the proposed building.

Pedestrian access would be provided via a new meandering concrete sidewalk along the street frontages on Rivergrade Road, Stewart Avenue, and Live Oak Avenue. The existing public sidewalk abutting the Project site would be demolished and replaced with a new sidewalk including curbs, gutters, and landscaping improvements as needed to facilitate Project site access along the Project's frontage, consistent with the City's standards. The Project would also include a 10-foot street easement dedication (totaling 0.27 acres) along Rivergrade Road, Stewart Avenue, and Live Oak Avenue. Additionally, internal walkways leading to the various entrances of the proposed building would be provided onsite and would connect to the new public sidewalk.

Construction Activities

Construction is anticipated to occur over a duration of approximately 13 months, commencing as early as September 2026. There would be approximately 12,345 tons of demolition and no anticipated soil import or export.

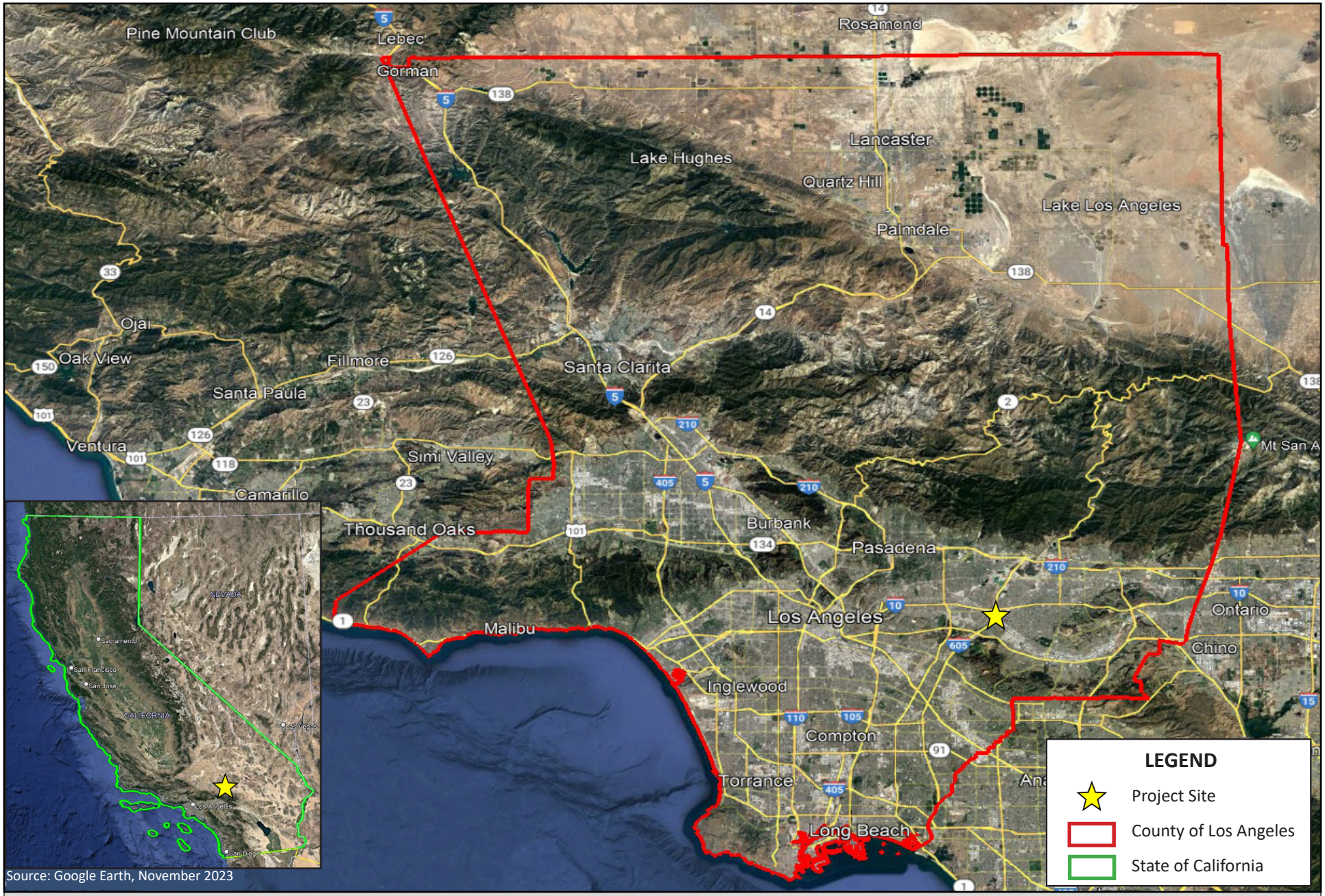


Exhibit 1: REGIONAL VICINITY MAP

14005 Live Oak Avenue Project

NOT TO SCALE

Kimley»Horn

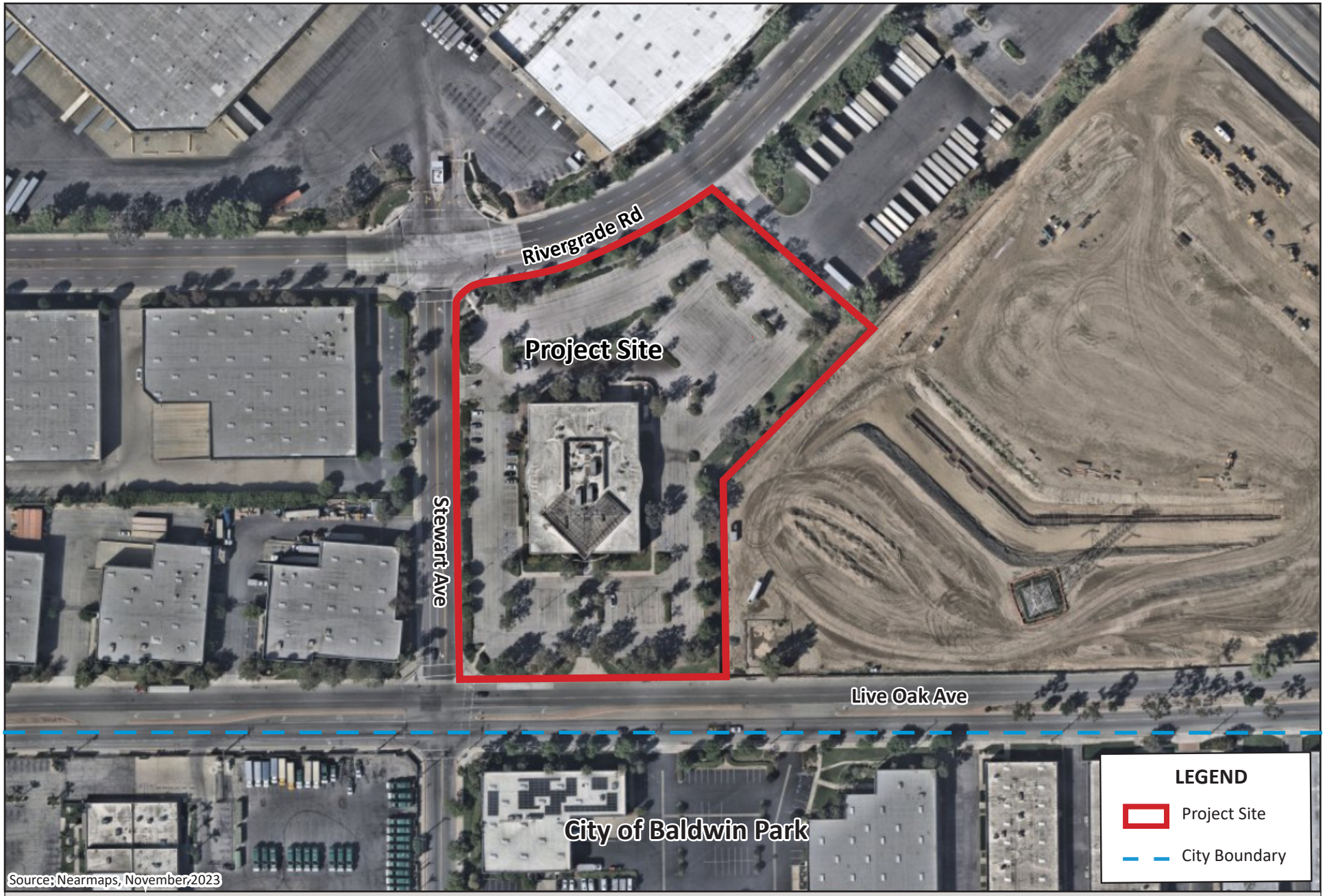
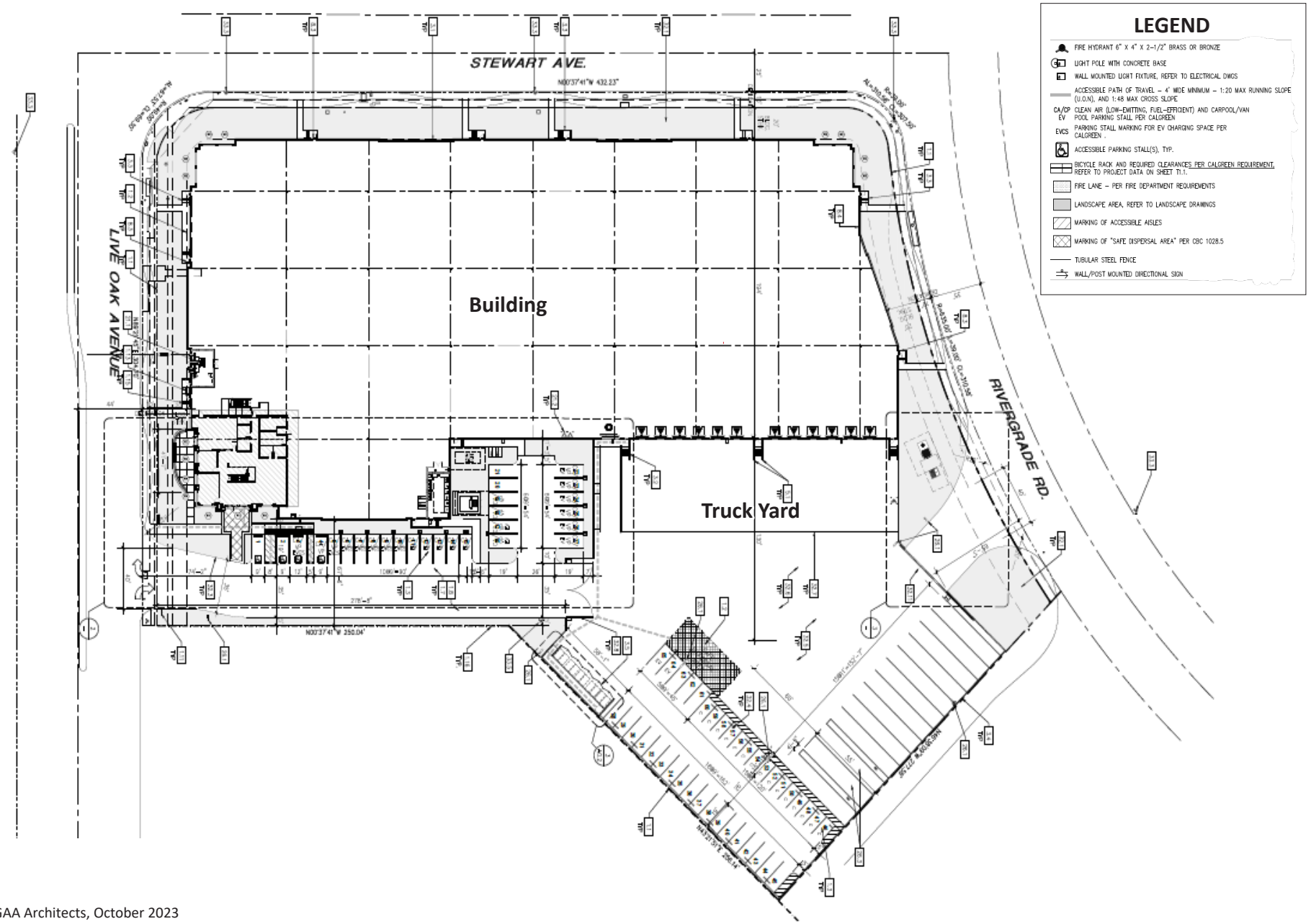


Exhibit 2: LOCAL VICINITY MAP
14005 Live Oak Avenue Project

NOT TO SCALE

Kimley»Horn



Source: GAA Architects, October 2023

Exhibit 3: SITE PLAN

14005 Live Oak Avenue Project

NOT TO SCALE

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2 ENVIRONMENTAL SETTING

2.1 Climate

The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. The climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. The extent and severity of the air pollution problem in the South Coast Air Basin (SCAB) is a function of the area's natural physical characteristics (weather and topography), as well as man-made influences (development patterns and lifestyle). Factors such as wind, sunlight, temperature, humidity, rainfall, and topography all affect the accumulation and/or dispersion of pollutants throughout the SCAB. These factors along with applicable regulations are discussed below.

The average annual temperature varies little throughout the SCAB, averaging 75 degrees Fahrenheit (°F). However, with a less-pronounced oceanic influence, the eastern inland portions of the SCAB show greater variability in annual minimum and maximum temperatures. All portions of the SCAB have had recorded temperatures over 100°F in recent years.

2.2 Meteorology

Although the SCAB has a semi-arid climate, the air near the surface is moist due to the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SCAB by offshore winds, the ocean effect is dominant. Periods with heavy fog are frequent, and low stratus clouds, occasionally referred to as "high fog," are a characteristic climate feature. Annual average relative humidity is 70 percent at the coast and 57 percent in the eastern part of the SCAB. Precipitation in the SCAB is typically nine to 14 inches annually and is rarely in the form of snow or hail due to typically warm weather. The frequency and amount of rainfall is greater in the coastal areas of the SCAB.

A temperature inversion is defined as an increase in temperature with height, or to the layer within which such an increase occurs. The height of the inversion is important in determining pollutant concentration. When the inversion is approximately 2,500 feet above sea level, the sea breezes carry the pollutants inland to escape over the mountain slopes or through the passes. At a height of 1,200 feet, the terrain prevents the pollutants from entering the upper atmosphere, resulting in a settlement in the foothill communities. Below 1,200 feet, the inversion puts a tight lid on pollutants, concentrating them in a shallow layer over the entire SCAB. Usually, inversions are lower before sunrise than during the day. Mixing heights for inversions are lower in the summer and more persistent, being partly responsible for the high levels of ozone (O_3) observed during summer months in the SCAB. Smog in southern California is generally the result of these temperature inversions combining with coastal day winds and local mountains to contain the pollutants for long periods of time, allowing them to form secondary pollutants by reacting with sunlight. The SCAB has a limited ability to disperse these pollutants due to typically low wind speeds.

The area in which the Project is located offers clear skies and sunshine yet is still susceptible to air inversions. These inversions trap a layer of stagnant air near the ground, where it is then further loaded with pollutants. These inversions cause haziness, which is caused by moisture, suspended dust, and a variety of chemical aerosols emitted by trucks, automobiles, furnaces, and other sources.

2.3 Toxic Air Contaminants

Toxic Air Contaminants (TACs) are airborne substances capable of causing short-term (acute) and long-term (chronic or carcinogenic, i.e., cancer causing) adverse human health effects (i.e., injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes approximately 200 compounds, including particulate emissions from diesel-fueled engines.

Hazardous Air Pollutants (HAP) is a term used by the Federal Clean Air Act (FCAA) that includes a variety of pollutants generated or emitted by industrial production activities. Identified as TACs under the California Clean Air Act (CCAA), ten have been singled out through ambient air quality data as being the most substantial health risk in California. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders. The California Air Resources Board (CARB) provides emission inventories for only the larger air basins.

TACs do not have ambient air quality standards because no safe levels of TACs can be determined. Instead, TAC impacts are evaluated by calculating the health risks associated with a given exposure. The requirements of the Air Toxic "Hot Spots" Information and Assessment Act (Assembly Bill [AB] 2588) apply to facilities that use, produce, or emit toxic chemicals. Facilities subject to the toxic emission inventory requirements of the act must prepare and submit toxic emission inventory plans and reports, and periodically update those reports.

Toxic contaminants often result from fugitive emissions during fuel storage and transfer activities, and from leaking valves and pipes. For example, the electronics industry, including semiconductor manufacturing, uses highly toxic chlorinated solvents in semiconductor production processes. Sources of air toxics go beyond industry, however. Automobile exhaust also contains toxic air pollutants such as benzene and 1,3-butadiene.

In California, on-road diesel-fueled engines contribute approximately 24 percent of the statewide total DPM, with an additional 71 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units. Stationary sources contribute about 5 percent of total DPM. It should be noted that CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan (DRRP), the Statewide Portable Equipment Registration Program (PERP), and the Diesel Off-Road Reporting System (DOORS). The PERP and DOORS programs allow owners or operators of portable engines and certain other types of equipment can register their units in order to operate their equipment throughout California without having to obtain individual permits from local air districts.

As noted above, diesel exhaust and many individual substances contained in it (including arsenic, benzene, formaldehyde, and nickel) have the potential to contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by OEHHA. CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment, including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers not exposed to diesel

emissions. These studies provide strong evidence that long-term occupational exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of 1 million people over a 70-year lifetime. Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust similar to those developed by OEHHA and CARB.

Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particle pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, diesel exhaust particles have been identified as a carcinogen.

2.4 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The nearest sensitive receptors to the Project site are the single-family residences located approximately 445 feet to the southeast along Joanbridge Street. Sensitive land uses nearest to the Project are shown in **Table 1: Sensitive Receptors.**

Table 1: Sensitive Receptors

Receptor Description	Distance and Direction from the Project
Single-Family Residences	445 feet to the southeast
Multi-Family Residences	530 feet to the south
Single-Family Residences	580 feet to the south
Margaret Heath Elementary School	1,995 feet to the southeast

1, Distance measured from the Project site boundary to the nearest sensitive receptor property line.

Source: Google Earth, 2023.

3 REGULATORY SETTING

3.1 Federal

Federal Clean Air Act

The FCAA was amended in 1990 to address the numerous air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. 188 specific pollutants and chemical groups were initially identified as HAPs, and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and for the issuance of stationary source operating permits.

In 2001, the United States Environmental Protection Agency (U.S. EPA) issued its first Mobile Source Air Toxics Rule, which identified 21 mobile source air toxic (MSAT) compounds as being HAPs that required regulation. A subset of six of these MSAT compounds were identified as having the greatest influence on health and included benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and DPM. More recently, the U.S. EPA issued a second MSAT Rule in February 2007, which generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike the criteria pollutants, toxics do not have National Ambient Air Quality Standards (NAAQS) making evaluation of their impacts more subjective.

National Emissions Standards for Hazardous Air Pollutants (NESHAPs) were incorporated into a greatly expanded program for controlling toxic air pollutants. The provisions for attainment and maintenance of the NAAQS were substantially modified and expanded. Other revisions included provisions regarding stratospheric ozone protection, increased enforcement authority, and expanded research programs.

Section 112 of the FCAA Amendments governs the federal control program for HAPs. NESHAPs are issued to limit the release of specified HAPs from specific industrial sectors. These standards are technology-based, meaning that they represent the best available control technology an industrial sector could afford. The level of emissions controls required by NESHAPs are not based on health risk considerations because allowable releases and resulting concentrations have not been determined to be safe for the general public. The FCAA does not establish air quality standards for HAPs that define legally acceptable concentrations of these pollutants in ambient air.

Federal Emissions Standards for On-Road Trucks

To reduce emissions from on-road, heavy-duty diesel trucks, the U.S. EPA established a series of increasingly strict emission standards for new engines, starting in 1988. The U.S. EPA promulgated the final and cleanest standards with the 2007 Heavy-Duty Highway Rule.[2] The PM emission standard of 0.01 gram per horsepower-hour (g/hp-hr) is required for new vehicles beginning with model year 2007. Also, the NO_X and nonmethane hydrocarbon (NMHC) standards of 0.20 g/hp-hr and 0.14 g/hp-hr, respectively, were phased in together between 2007 and 2010 on a percent of sales basis: 50 percent from 2007 to 2009 and 100 percent in 2010. In December 2022, the EPA final rule set new, more stringent standards to

[2] United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

reduce NO_X pollution from heavy-duty vehicles and engines starting in model year 2027. The rule will reduce NO_X emissions from heavy-duty trucks by almost 50 percent by 2045, producing significant health-related benefits.[3]

Emission Standards for Off-Road Diesel Engines

To reduce emissions from off-road diesel equipment, the U.S. EPA established a series of cleaner emission standards for new off-road diesel engines. Tier 1 standards were phased in from 1996 to 2000 (year of manufacture), depending on the engine horsepower category. Tier 2 standards were phased in from 2001 to 2006. Tier 3 standards were phased in from 2006 to 2008. Tier 1 through Tier 3 standards are to be increasingly more stringent, respectively, and vary by pollutant and engine size. Tier 4 standards, which generally require add-on emission control equipment to attain them, were phased in from 2008 to 2015. The Tier 4 standards require that emissions of PM and NO_X be further reduced by about 90 percent from Tier 3 standards. CARB currently developing potential amendments to the off-road diesel engine standards, in a Tier 5 rulemaking. CARB currently developing potential amendments to the off-road diesel engine standards, in a Tier 5 rulemaking. The Tier 5 rulemaking aims to reduce oxides of nitrogen (NO_X) and particulate matter (PM) emissions from new, off-road compression-ignition (CI) engines, by an additional 50 percent to 90 percent, compared to what is allowed by today's Tier 4 final emission standards.

3.2 State of California

California Air Resources Board

CARB's statewide comprehensive air toxics program was established in 1983 with AB 1807 the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology (T-BACT) to minimize emissions.

CARB also administers the state's mobile source emissions control program and oversees air quality programs established by state statute, such as AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, the AB 2588 was amended by Senate Bill (SB) 1731 which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

Diesel Risk Reduction Plan

The identification of DPM as a TAC in 1998 led CARB to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles (DRRP) in October 2000. The DRRP's goals

[3] United States Environmental Protection Agency (U.S. EPA), Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements, Final Rule. 40 Code of Federal Regulations, s 2, 59, 60, 80, 85, 86, 600, 1027, 1030, 1031, 1033, 1036, 1037, 1039, 1042, 1043, 1045, 1048, 1051, 1054, 1060, 1065, 1066, 1068, and 1090. January 24, 2023.

include an 85 percent reduction in DPM by 2020 from the 2000 baseline.[4] CARB estimates that emissions of DPM in 2035 will be less than half those in 2010, further reducing statewide cancer risk and non-cancer health effects.[5] The DRRP includes regulations for cleaner new diesel engines, cleaner in-use diesel engines (retrofits), and cleaner diesel fuel.

Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles

On December 12, 2008, CARB approved the Truck and Bus Regulation to significantly reduce particulate matter (PM) and oxides of nitrogen (NO_X) emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks must be retrofitted with PM filters beginning January 1, 2012, and older trucks must be replaced starting January 1, 2015. Effective January 1, 2023, nearly all trucks and buses are required to have 2010 model year engines or equivalent.

The regulation applies to most privately and federally-owned diesel fueled trucks and buses and to privately and publicly owned school buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds. Small fleets with three or fewer diesel trucks can delay compliance for heavier trucks and there are several extensions for low-mileage construction trucks, early PM filter retrofits, adding cleaner vehicles, and other situations. Privately and publicly owned school buses have different requirements.

Heavy-Duty Vehicle Idling Emission Reduction Program

The purpose of the CARB ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is to reduce public exposure to DPM and criteria pollutants by limiting the idling of diesel-fueled commercial vehicles including transportation refrigeration units (TRUs). The driver of any vehicle subject to this ATCM is prohibited from idling the vehicle's primary diesel engine for greater than five minutes at any location and is prohibited from idling a diesel-fueled auxiliary power system (APS) for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools). On February 24, 2022, CARB approved amendments to the TRU ATCM (2022 Amendments) to achieve additional emission and health risk reductions from diesel-powered TRUs and increase the use of zero emission technology in the off-road sector. The 2022 Amendments will help meet the State's multiple risk reduction, air quality, and climate goals, as well as the directive of Executive Order N-29-20, which set a goal for 100 percent zero-emission off-road vehicles and equipment in the State by 2035.

CARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, beginning in 2008, requires that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking brake is engaged.

Section 2485 and Section 2449 of Title 13 of the California Code of Regulations limits diesel-fueled motor vehicle and off-road idling to no more than five minutes. Section 2485 limits idling for diesel-fueled commercial motor vehicles with gross vehicle weight ratings of greater than 10,000 pounds that are or

[4] California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.

[5] California Air Resources Board, *Overview: Diesel Exhaust & Health*, https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health, accessed December 2023.

must be licensed to operate on publicly maintained highways and streets within California. Section 2449 limits idling for off-road diesel-fueled fleets.

CalEnviroScreen

OEHHA has developed CalEnviroScreen 4.0, which is a mapping tool that helps identify California communities that are most affected by many sources of pollution, and where people are often especially vulnerable to pollution's effects. CalEnviroScreen uses environmental, health, and socioeconomic information to produce scores for every census tract in the State. The scores are mapped so that different communities can be compared. An area with a high score is one that experiences a much higher pollution burden than areas with low scores.

According to CalEnviroScreen, the Project site and the nearest residences to the southeast are located within Census Tract 6037405001, which is within the 88th percentile.[6] It should be noted that the CalEnviroScreen scores are relative to other census tracts and are not an expression of health risk, and do not provide quantitative information on increases in cumulative impacts for specific sites or projects. Further, as a comparative screening tool, the results do not provide a basis for determining when differences between scores are significant in relation to public health or the environment.

CARB Advanced Clean Truck Regulation

CARB adopted the Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission "last-mile" delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components including a manufacturer sales requirement, and a reporting requirement:

- Zero-Emission Truck Sales: Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight truck sales, and 40 percent of truck tractor sales.

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

[6] California Office of Environmental Health Hazard Assessment, *CalEnviroScreen 4.0 Results (October 2021 Update)*, https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40, accessed December 2023.

Advanced Clean Cars I and II

Advanced Clean Cars combines several regulations into one package including the Low-Emission Vehicle (LEV) criteria and greenhouse gas regulations and the zero-emission vehicle (ZEV) regulation. Advanced Clean Cars I was adopted in 2012 and Advanced Clean Cars II was adopted in 2022. These regulations rapidly scale down emissions of light-duty passenger cars, pickup trucks and SUVs and require an increased number of zero-emission vehicles to meet air quality and climate change emissions goals. By 2035 all new passenger cars, trucks and SUVs sold in California will be zero emissions. The Advanced Clean Cars II regulations take the state's already growing zero-emission vehicle market and robust motor vehicle emission control rules and augments them to meet more aggressive tailpipe emissions standards and ramp up to 100% zero-emission vehicles.

CARB Advanced Clean Fleets Regulation

CARB approved Advanced Clean Fleets Regulation (ACF) on April 28, 2023, requires fleet owners to begin transitioning toward ZEVs starting in 2024. Due to the impact that truck traffic has on residents living near heavily trafficked corridors, drayage trucks will need to be zero-emissions by 2035. All other fleet owners have the option to transition a percentage of their vehicles to meet expected zero-emission milestones, which gives owners the flexibility to continue operating combustion-powered vehicles as needed during the move toward cleaner technology.

Executive Order N-79-20

Signed in September 2020, Executive Order N-79-20 establishes as a goal that where feasible, all new passenger cars and trucks, as well as all drayage/cargo trucks and off-road vehicles and equipment, sold in California, will be zero-emission by 2035. The executive order sets a similar goal requiring that all medium and heavy-duty vehicles will be zero-emission by 2045 where feasible. It also directs CARB to develop and propose rulemaking for passenger vehicles and trucks, medium-and heavy-duty fleets where feasible, drayage trucks, and off-road vehicles and equipment "requiring increasing volumes" of new zero emission vehicles (ZEVs) "towards the target of 100 percent." The executive order directs the California Environmental Protection Agency, the California Geologic Energy Management Division (CalGEM), and the California Natural Resources Agency to transition and repurpose oil production facilities with a goal toward meeting carbon neutrality by 2045. Executive Order N-79-20 builds upon the CARB Advanced Clean Trucks regulation, which was adopted by CARB in July 2020.

Senate Bill 535

SB 535 directs 25 percent of the proceeds from the Greenhouse Gas Reduction Fund (i.e., funds from the AB 32 cap-and-trade program) to go to projects that provide a benefit to disadvantaged communities (DACs) (as identified by the OEHHA mapping). These funds must be used for programs that further reduce greenhouse gas emissions. Funding programs that reduce greenhouse gas emissions would also potentially reduce exposure to other emissions including TACs. Based on OEHHA mapping, the Project site is located within an SB 535 designated disadvantaged community (Census Tract 6037404600).[7] SB 535 does not include project specific requirements or prohibit developments in proximity to the designated communities.

[7] California Office of Environmental Health Hazard Assessment, *SB 535 Disadvantaged Communities (2022 Update)*, https://oehha.ca.gov/calenviroscreen/sb535, accessed January 2024.

3.3 Regional

South Coast Air Quality Management District

The CCAA provides the SCAQMD with the authority to manage transportation activities at indirect sources and regulate stationary source emissions. Indirect sources of pollution are generated when minor sources collectively emit a substantial amount of pollution. An example of this would be the motor vehicles at an intersection, a mall, and on highways. As a State agency, CARB regulates motor vehicles and fuels for their emissions.

Air Toxics Control Plan

The Air Toxics Control Plan (March 2000, revised March 26, 2004) is a planning document designed to examine the overall direction of the SCAQMD's air toxics control program. It includes development and implementation of strategic initiatives to monitor and control air toxics emissions. Control strategies that are deemed viable and are within the SCAQMD's jurisdiction will each be brought to the SCAQMD Board for further consideration through the normal public review process. Strategies that are to be implemented by other agencies will be developed in a cooperative effort, and the progress will be reported back to the Board periodically.

Multiple Air Toxics Exposure Study

The SCAQMD conducted an in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California. The Multiple Air Toxics Exposure Study in the SCAB (MATES V) (August 2021) shows that carcinogenic risk from air toxics in the SCAB, based on the average concentrations at the 10 monitoring sites, is approximately 40 percent lower than the monitored average in MATES IV and 84 percent lower than the average in MATES II.

MATES V also evaluated the population-weighted cancer risk within Environmental Justice (EJ) communities using the SB 535[8] definition of disadvantaged communities. Between MATES IV and MATES V, air toxics cancer risk decreased by 57 percent in EJ communities overall compared to a 53 percent reduction in non-EJ communities.

MATES V is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with the SCAB emissions. Therefore, MATES V study represents the baseline health risk for a cumulative analysis. MATES V estimates the average excess cancer risk level from exposure to TACs is 424 in one million basin wide. In comparison, the MATES IV basin average risk was 897 per million. These model estimates were based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are near the Project site. However, MATES V has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. MATES V modeling predicted an excess cancer risk of 563 in one million for the Project area.[9] DPM is included in this cancer risk along with all other TAC sources. DPM accounts for a majority of the total risk shown in MATES V in this area.

[8] SB 535 established initial requirements for minimum funding levels to "Disadvantaged Communities" (DACs). The legislation also gives California EPA the responsibility for identifying those communities, stating that the designation of disadvantaged communities must be based on "geographic, socioeconomic, public health, and environmental hazard criteria".

[9] South Coast Air Quality Management District, *MATES V Estimated Risk*, https://experience.arcgis.com/experience/79d3b6304912414bb21ebdde80100b23/page/home/?data_id=dataSource_105-a5ba9580e3aa43508a793fac819a5a4d%3A259&views=view_38%2Cview_1, accessed January 2024.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 Health Risk Analysis Thresholds

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. While the final determination of significance thresholds is within the purview of the lead agency pursuant to the State CEQA Guidelines, the SCAQMD recommends that the following air pollution thresholds be used by lead agencies in determining whether the impacts from the Project are significant. If the lead agency finds that the Project has the potential to exceed the air pollution thresholds, the Project should be considered significant. The thresholds for air toxic emissions are as follows.

- **Cancer Risk (Individual):** Emit contaminants resulting in a maximum individual incremental cancer risk equal or greater than of 10 in one million.
- **Non-Cancer Risk:** Emit contaminants that result in a chronic or acute hazard index equal to or greater than 1.0.

Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to TAC exposure. This threshold is an upper-bound incremental probability to determine whether or not a given project has a potentially significant development-specific and cumulative impact and to ensure an individual new source does not contribute a cumulatively significant impact. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics.

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

4.2 Methodology

This HRA evaluates potential health risks associated with DPM emissions resulting from the implementation of the proposed Project. Construction equipment and associated heavy-duty truck traffic generate DPM, which is a known TAC. DPM from construction equipment operating at the site poses a potential health risk to nearby sensitive receptors. Operational activities would also include the use of heavy-duty diesel trucks. The nearest sensitive receptors to the Project site are the single-family residences located approximately 445 feet to the southeast. The nearest off-site use is located approximately 130 feet west of the Project site.

Construction Sources

Construction would generate DPM emissions from the use of off-road diesel equipment required for site preparation, grading and excavation, paving, and other construction activities. For construction activity, DPM is the primary toxic air contaminant of concern because it is the most potent TAC emitted from construction and includes hundreds of chemicals. Although DPM is a subset of PM_{10} exhaust, the analysis conservatively assumes all PM_{10} exhaust emissions are DPM. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment were included in the analysis, although they are typically less of a concern because they would not stay on the site for long durations.

Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer. The use of diesel-powered construction equipment would be episodic and would occur throughout the Project site. Construction activities would limit idling to no more than five minutes, which would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Furthermore, even during the most intense period of construction, emissions of DPM would be generated from different locations on the Project site rather than in a single location because different types of construction activities (e.g., site preparation and building construction) would not occur at the same place at the same time. Construction emissions rates for PM10 (DPM) were calculated from the CalEEMod construction emissions modeling conducted for the Project Air Quality Assessment. Project construction is anticipated to begin in September 2025 with a construction duration of approximately 13 months.

As described above, PM10 exhaust construction emissions over the entire construction period were used in AERMOD to approximate construction DPM emissions. Risk levels were calculated based on the California Office of Environmental Health Hazard Assessment (OEHHA) guidance document, Air Toxics Hot Spots Program Risk Assessment Guidelines (February 2015).

Operational Sources

Mobile Sources. The Project is located near existing sensitive receptors. Emissions from project-related increased truck traffic could result in pollutant concentrations at existing sensitive receptors. Average daily trips from Project truck traffic were obtained from the *Live Oak Irwindale Traffic Impact Analysis* (Environmental Planning Development Solutions, Inc., 2023). Per the *Live Oak Irwindale Traffic Impact Analysis*, the Project would generate 174 total daily vehicle trips, which includes 48 daily truck trips. The PM10 (DPM) emission rate was calculated using trip data and a CARB 2021 EMission FACtor model (EMFAC)[10] model run for Los Angeles County; refer to **Appendix A**. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed and type. The model was run for heavy-duty diesel vehicles traveling along off-site roads, circulating the Project site, and idling at the proposed loading docks. The analysis includes on- and off-site idling and truck traffic on the following roadways:

- Live Oak Avenue (40 miles per hour)
- Stewart Avenue/Rivergrade Road (40 miles per hour)
- Arrow Highway (55 miles per hour)
- On-Site Circulation (15 miles per hour)

[10] California Air Resources Board, *EMFAC 2021 Web Database,* www.arb.ca.gov/emfac, accessed June 2023.

- On-Site Idling (idle)

Truck traffic on surrounding roadways are based on the truck trip generation and distribution from the *Live Oak Irwindale Traffic Impact Analysis*, which used Institute of Transportation Engineers (ITE) Warehouse land use rate (ITE code 150). Additionally, idling emissions assumed 15 minutes of idling for each truck. [11] The emissions rates were calculated using 2026 emissions factors since Project construction would be completed in 2026; refer to **Appendix A**. This approach is conservative as it assumes no cleaner technology in future years.

Off-Road Equipment. Operational off-road emissions would be generated by off-road cargo handling equipment used during operational activities. For this Project it was assumed that the warehouse would include six off-highway trucks for loading and unloading goods per the SCAQMD *High Cube Warehouse Truck Trip Study White Paper.*[12] Additionally, the PM10 (DPM) emission rate was calculated using a CARB 2021 EMission FACtor Off-Road model (EMFAC)[13].

Emergency Backup Generators. As the Project warehouse is speculative, it is unknown whether emergency backup generators would be used. Backup generators would only be used in the event of a power failure and would not be part of the Project's normal daily operations. Nonetheless, emissions associated with one backup generator were included to be conservative. If backup generators are required, the end user would be required to obtain a permit from the SCAQMD prior to installation. Emergency backup generators must meet SCAQMD's Best Available Control Technology (BACT) requirements and comply with SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines), which would minimize emissions.

Electric Fire Pump. The Project would utilize one electric fire pump for the purpose of fire protection services. As the fire pump is powered by electricity, emissions associated with the fire pump would be negligible and is therefore not included in this analysis.

Dispersion Modeling

The construction and operational air dispersion modeling for the HRA was performed using the U.S. EPA AERMOD dispersion model. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources. AERMOD estimates hourly concentrations for each source/receptor pair and calculates concentrations for user-specified averaging times, including an average concentration for the complete simulation period. AERMOD includes atmospheric dispersion options for both urban and rural environments and can address flat, gently rolling, and complex terrain situations. The modeling and analysis were prepared in accordance with the South Coast AQMD Modeling Guidance for AERMOD.[14] The parameters used in AERMOD include the following:

[11] An idling time of 15 minutes per truck has been used per SCAQMD recommendations. Although the Project is required to comply with CARB's idling limit of 5 minutes, the SCAQMD recommends the on-site idling emissions should be estimated for 15 minutes of truck idling, which would take into account on-site idling that occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

[12] South Coast Air Quality Management District, *High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results*, June 2014.

[13] California Air Resources Board, *EMFAC 2021 Web Database,* www.arb.ca.gov/emfac, accessed June 2023.

[14] South Coast Air Quality Management District, *South Coast AQMD Modeling Guidance for AERMOD*, http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed December 2023.

- **Meteorological Data**. AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, atmospheric stability class, and mixing height. The latest 5-year meteorological data set from the Azusa Monitoring Station (AZUS) was obtained from the SCAQMD.[15] Surface and upper air meteorological data from this monitoring station was selected as being the most representative for meteorology based on proximity to the Project site as well as terrain, surrounding land use and surface characteristics.

- **Project Sources**. The emission sources in the model are line volume sources (comprised of smaller adjacent volume sources) for construction and truck operations. Construction line volume sources were assigned a release height of 11 feet (3.40 meters). Operational sources include the loading dock idling areas, on-site truck circulation, and off-site truck routes. Heavy duty operational vehicle emissions were assigned a release height of 10 feet (3.15 meters), a plume height of 21 feet (6.29 meters). A release height of 10 feet (3.15 meters) is the average stack height for trucks and the plume height is based on U.S. EPA guidance for vehicle volume sources. [16] A backup generator was modeled as a point source with a release height of 16 feet (5 meters).

- **Receptor Grid**. To identify the maximum impacted receptors, a uniform Cartesian grid was placed over the sensitive receptors in the site vicinity. According to the SCAQMD, a grid spacing of 100 meters or less must be used to identify the maximum impacted receptors (i.e., peak cancer risk and peak hazard indices).[17] Due to the size of the Project site, receptors were modeled with a maximum of 50-meter grid spacing.

- **Terrain Characteristics**. As recommended by the SCAQMD, the United States Geological Survey (USGS) National Elevation Dataset (NED) terrain data was imported into AERMOD.

- **Averaging Times**. AERMOD was run to obtain the peak 1-hour and annual average (period) concentration in micrograms per cubic meter ($\mu g/m^3$) of PM10 at the nearby sensitive receptors. According to the SCAQMD's Supplemental Guidelines for Preparing Risk Assessments for AB 2588, air dispersion modeling is required to estimate annual average concentrations to calculate the Maximally Exposed Individual Resident (MEIR), the maximum chronic hazard index, and the zones of impact.

Note that the concentration estimate developed using this methodology is conservative and is not a specific prediction of the actual concentrations that would occur at the Project site any one point in time. Actual annual average concentrations are dependent on many variables, particularly the number and type of vehicles and equipment operating at specific distances during time periods of adverse meteorology.

Risk and Hazard Assessment

Cancer Risk. Based on the OEHHA methodology, residential inhalation cancer risk from annual average DPM concentrations are calculated by multiplying the daily inhalation dose, cancer potency factor, age sensitivity factor (ASF), frequency of time spent at home, and exposure duration divided by averaging

[15] South Coast Air Quality Management District, *Meteorological Data for Dispersion Modeling*, https://www.aqmd.gov/home/air-quality/meteorological-data, accessed December 2023.

[16] U.S. EPA. 2012. *Haul Road Workgroup Final Report*. https://www.epa.gov/sites/default/files/2020-10/documents/haul_road_workgroup-final_report_package-20120302.pdf, accessed December 2023.

[17] South Coast Air Quality Management District, *South Coast AQMD Modeling Guidance for AERMOD*, https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed December 2023.

time, yielding the excess cancer risk. These factors are discussed in more detail below. It is important to note that exposure duration is based on continual heavy truck operation along nearby roadways. Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and concentration of substance in the air. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

$$\text{Dose-air} = C_{air}*(BR/BW)*A*EF*10^{-6}$$

Dose-air =	dose through inhalation (mg/kg/day)
C_{air} =	air concentration (µg/m^3) from air dispersion model
(DBR/BW) =	daily breathing rate normalized to body weight (L/kg bodyweight-day)
A =	inhalation absorption factor (unitless)
EF =	exposure frequency (approximately 350 days per year for residential)
10^{-6} =	conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to consider the increased sensitivity to carcinogens during early-life exposure. In the absence of chemical-specific data, OEHHA recommends default ASFs presented in **Table 2: Exposure Assumptions**. Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions are not occurring away from home. OEHHA recommends the FAH values presented in **Table 2**.

Table 2: Exposure Assumptions

Age	Exposure Frequency (days/year)	Exposure Duration (years)	Age Sensitivity Factor (ASF) [1]	Fraction of Time at Home (FAH)	Daily Breathing Rate (L/kg BW-day)[2]
Residential					
Third trimester	350	0.25	10	100%	361
0 to 2 years	350	2	10	100%	1,090
Ages 2 through 8 years	350	7	3	100%	861
Ages 8 through 15 years	350	7	3	100%	745
Ages 16 and greater	350	14	1	73%	335
Worker[3]	250	25	1	N/A	230
Student[3]	180	9	3	N/A	640

1. Accounts for potential increased sensitivity to carcinogens during childhood.
2. Daily breathing rate normalized to body weight (L/kg body weight - day) (95th percentile).
3. Worker and Student breathing rates are 95th percentile 8-hour breathing rates based on moderate intensity activity.

Source: California Office of Environmental Health Hazard Assessment, *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015 and South Coast Air Quality Management District, Permit Application Package "N" Risk Assessment Procedures for Rules 1401, 1401.1, and 212 Version 8.1.

To estimate the cancer risk, the dose is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$Risk_{inh\text{-}res} = (Dose_{air}*CPF*ASF*(ED/AT)*FAH)$$

$Risk_{inh\text{-}res}$ =	residential inhalation cancer risk (potential chances per million)
$Dose_{air}$ =	daily dose through inhalation (mg/kg-day)
CPF =	inhalation cancer potency factor (mg/kg-day^{-1})
ASF =	age sensitivity factor for a specified age group (unitless)

ED = exposure duration (years)
AT = averaging time of lifetime cancer risk (years)
FAH = fraction of time spent at home (unitless)

Chronic Non-Cancer Hazard. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. According to OEHHA, the REL for DPM is 5 and the target organ is the respiratory system. The following equation was used to determine the non-cancer risk:

$$\text{Hazard Index} = C_i/REL_i$$

C_i = concentration in the air of substance i (annual average concentration in $\mu g/m^3$)
REL_i = chronic noncancer Reference Exposure Level for substance ($\mu g/m^3$)

Health Risk Computation. A health risk computation was performed to determine the risk of developing an excess cancer risk calculated on a 30-year exposure scenario using the approach described in the OEHHA *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments* (February 2015) and the daily breathing rates, age sensitivity factors, exposure duration, and fraction of time at home specified in the SCAQMD, Permit Application Package "N" Risk Assessment Procedures for Rules 1401, 1401.1, and 212 Version 8.1 (refer to **Table 2**). Health risks were analyzed at the point of maximum impact and are a conservative estimate. The pollutant concentrations are then used to estimate the long-term cancer health risks to an individual as well as the non-cancer chronic health index.

The off-site impacts would occur from the diesel trucks accessing the proposed Project. The cancer and chronic health risks are based on the annual average concentration of PM10 (used as a proxy for DPM). As noted above, the chronic and carcinogenic health risk calculations are based on the standardized equations contained in the U.S. EPA *Human Health Evaluation Manual* (1991) and the OEHHA Guidance Manual (2015). The health risk computation was performed to determine the risk of developing an excess cancer risk calculated on these worst-case exposure duration scenarios. The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the OEHHA Guidance Manual. Only the risk associated with the worst-case location of the Project was assessed.

5 POTENTIAL HEALTH RISK IMPACTS

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines. As the Project is proposed near existing sensitive receptors (single-family residences), an analysis of DPM was performed using the U.S. EPA-approved AERMOD model.

5.1 Carcinogenic Risk

Construction-related activities would result in Project-generated DPM emissions from off-road, heavy-duty diesel equipment exhaust for site preparation (e.g., clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, DPM is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. Diesel exhaust from on-site construction equipment poses a health risk to nearby sensitive receptors. During operations, DPM emissions sources include on-site truck travel, truck idling, and cargo handling equipment.

Table 3: Carcinogenic Risk Assessment shows the health risk for the following scenarios: construction, operation, and combined construction and operation of the Project. Based on OEHHA *Risk Assessment Guidelines*, the exposure duration for a resident is 30 years, beginning with the third trimester. Operations would commence following construction. As such, construction would not overlap with operations. The analysis calculates risk based on exposure to construction concentrations during the entire 13 months of the exposure duration and operational concentrations for the remainder of the exposure duration.

Table 3: Carcinogenic Risk Assessment

Exposure Scenario	Cancer Risk (Risk per Million)[2]	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
Construction			
Residential Receptors	0.90	10	No
Worker Receptor	0.86	10	No
Operations			
Residential Receptors	2.06	10	No
Worker Receptor	3.51	10	No
Combined Construction + Operation			
Residential Receptors	3.04	10	No
Worker Receptor	4.37	10	No

1. The reported annual pollutant concentration is at the closest maximally exposed individual resident (MEIR) to the Project site.

Source: Refer to Appendix A: Modeling Data.

As shown in **Table 3**, the construction risk at residential and worker receptors would be approximately one in one million. Additionally, the operational cancer risk at residential and worker receptors would be approximately two and four in one million, respectively. Further, the combined construction and operational cancer risk[18] at residential and worker receptors would be three and four in one million, respectively. As such, the maximum construction, operational, and combined construction and

[18] Based on OEHHA *Risk Assessment Guidelines*, the exposure duration for a resident is 30 years, beginning with the third trimester. As such, the combined construction and operations scenario includes the recommended residential exposure during of 30 years in sequential order.

operational cancer risk would not exceed SCAQMD's 10 in one million threshold and impacts associated with carcinogenic risk would be less than significant.

5.2 Non-Carcinogenic Hazard

The significance thresholds for TAC exposure also requires an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. RELs are designed to protect sensitive individuals within the population. According to OEHHA, the REL for DPM is 5 and the target organ is the respiratory system.[19]

Chronic non-carcinogenic impacts are shown in **Table 4: Chronic Hazard Assessment**. A chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the chronic exposure by the reference exposure level. The chronic hazard was calculated based on the highest annual average concentration at the maximally exposed individual receptor. It should be noted that there is no acute REL for DPM and acute health risk cannot be calculated. The highest maximum chronic hazard index associated with DPM emissions from Project construction would be 0.0013 at the residential receptors and 0.0165 at the worker receptors. Additionally, the highest maximum chronic hazard index associated with DPM emissions from Project operations would be 0.0007 at the residential receptors and 0.0029 at the worker receptors. Therefore, construction and operational non-carcinogenic hazards would not exceed the acceptable limits of 1.0 and impacts would be considered less than significant.

Table 4: Chronic Hazard Assessment

Exposure Scenario	Annual Concentration (µg/m^3)[1]	Chronic Hazard
Construction		
Residential Receptors	0.0066	0.0013
Worker Receptors	0.0826	0.0165
Operation		
Residential Receptors	0.0034	0.0007
Worker Receptors	0.0141	0.0028
SCAQMD Threshold	*N/A*	*1.0*
Threshold Exceeded?	**N/A**	**Yes**

1. The reported pollutant concentration is at the closest receptor (maximally exposed individual receptor).

Source: Refer to Appendix A: Modeling Data.

5.3 Conclusion

As described above, impacts related to cancer risk would be less than significant. Additionally, non-carcinogenic hazards are calculated to be within acceptable limits. It should be noted that the impacts assess the Project's incremental contribution to cumulative health risk impacts, consistent with the SCAQMD guidance and methodology. The SCAQMD has not established separate cumulative thresholds and does not require combining impacts from cumulative projects. The SCAQMD considers projects that

[19] California Office of Environmental Health Hazard Assessment, *OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary*, available at https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary.

do not exceed the project-specific thresholds to generally not be cumulatively significant.[20] Therefore, impacts related to health risk from the Project would be less than significant and the Project's contribution would be less than cumulatively considerable.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

[20] South Coast Air Quality Management District, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, August 2003.

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19. South Coast Air Quality Management District, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, August 2003.

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21. United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

Appendix A

Modeling Data

CONSTRUCTION

	2025		Days	Vendor	Hauling	Vendor	Hauling	Construction Duration (days)			
Demo	9/1/2025	11/2/2025	45	0	69	0	3087				
Site Prep	9/1/2025	11/1/2025	45	0	0	0	0	**2025**	**2026**	**Total**	**# Mons**
Grading	11/1/2025	12/15/2025	31	0	0	0	0	105	271	376	13
	2026										
Building	1/2/2026	2/8/2026	26	17	0	442	0				
Building	2/8/2026	9/15/2026	157	17	0	2669	0				
Paving	9/16/2026	9/30/2026	11	0	0	0	0				
Arch Coating	7/1/2026	9/30/2026	66	0	0	0	0				

On-Site Construction PM10 Exhaust (tons/yr)

Year	Phase	Unmitigated
2025	Demo	2.06E-02
2025	Site Prep	3.07E-02
2025	Grading	1.12E-02
	Total 2025	**6.26E-02**
2026	Building	2.97E-02
2026	Building	4.92E-03
2026	Paving	1.76E-03
2026	Arch Coating	1.27E-04
	Total 2026	**3.65E-02**

Off-Site Construction PM10 Exhaust (tons/yr)

Year	Phase	Unmitigated
2025	Demo	2.97E-02
2025	Site Prep	0.00E+00
2025	Grading	0.00E+00
	Total 2025	**2.97E-02**
2026	Building	5.93E-04
2026	Building	9.81E-05
2026	Paving	0.00E+00
2026	Arch Coating	0.00E+00
	Total 2026	**6.91E-04**

Construction

Group: ONSITE

PM10 Exhaust Onsite

		Unmitigated		AERMOD
Year	Tons/Year	g/s	Weighted Average On-Site Rate	Unitized Rate (g/s)
2025	6.26E-02	1.88E-02	**8.30E-03**	1
2026	3.65E-02	4.25E-03		

Group: OFFSITE

	Trips		Miles		Weighted
Year	Vendor	Hauling	Vendor	Hauling	Trip length
2025	0	3087	**10.2**	**20**	20.00
2026	3111	0	**10.2**	**20**	10.20

PM2.5 Exhaust Off-Site

			Unmitigated	Weighted Average Off-Site
	Tons/Year	g/s	g/s per mile	Rate
2024	0.0297	8.90E-03	4.45E-04	**1.30E-04**
2025	6.91E-04	8.03E-05	7.87E-06	

Group: OFFSITE

Roadway	Speed	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)
				Unmitigated	
Live Oak	**40**	**391**	0.24	1.30E-04	0.000031567
Stewart	**40**	**470.9**	0.29	1.30E-04	0.000038018
Arrow	**55**	**665.1**	0.41	1.30E-04	0.000053696

OPERATIONS

	Truck Route Emissions	Speed (mph)	Trips (veh/day)	Truck Emission Factor (g/mi)	Length (meters)	Length (mi/veh)	Truck Emissions (g/day)	Emission Rate (g/sec)
Group: Onsite	Onsite	15	24	0.01188	100.1	0.06	1.77E-02	**2.05E-07**

	OFFSITE	Speed (mph)	Trips (veh/day)	Truck Emission Factor (g/mi)	Length (meters)	Length (mi/veh)	Emissions (g/day)	Emission Rate (g/sec)
Group: Offsite	Live Oak	40	24	0.00847	391	0.24	4.94E-02	**5.72E-07**
	Stewart	40	24	0.00847	470.9	0.29	5.95E-02	**6.89E-07**
	Arrow	55	24	0.01495	665.1	0.41	1.48E-01	**1.72E-06**

Group: Idiling

Loading Dock Idling	Speed (mph)	Trips (veh/day)	Truck Emission Factor (g/mi)	Duration (hr/veh)	Truck Emissions (g/day)	Idling Emissions Rate (g/sec)
Warehouse	Idle	24	0.001753454	0.25	1.05E-02	**1.22E-07**

Unitized emission rates (1 g/s) were used for source groups in AERMOD.

Group: Generator

Generators	# of Generators	Emission factor (tons/yr)	Emission factor (g/sec)
CUP	1	0.003307	**9.51E-05**

Group: CHE

CHE (Unmitigated)	# of Equip	Emission factor (tons/yr)	Emission factor (g/sec)
Yard Truck	6	0.085825	**2.47E-03**

Emergency Backup Generator Emissions

	Fuel Type	Quantity	HP	LF	Hours/Year per Unit	Hours per Day	HP-hr per day	Total hp-hr per year
Standard Generator	Diesel	1	400	0.74	50	1	400	20,000

Emissions Rates (g/hp-hr)

	HC	ROG	TOG	CO	NO_X	CO_2	PM_{10}	$PM_{2.5}$	PM	SO_X	CH_4
Standard Warehouse	0.140	1.020	1.120	2.600	2.850	521.640	0.150	0.150	0.150	0.005	0.021

Source: User Guide for CalEEMod Version 2022.1, Appendix G, Table G-40.

Emissions (pounds/day)

	HC	ROG	TOG	CO	NO_X	CO_2	PM_{10}	$PM_{2.5}$	PM	SO_X	CH_4
Standard Warehouse	0.12	0.90	0.99	2.29	2.51	460.01	0.13	0.13	0.13	0.00	0.00
Total	0.12	0.90	0.99	2.29	2.51	460.01	0.13	0.13	0.13	0.00	0.00

Emissions (tons/year)

	HC	ROG	TOG	CO	NO_X	CO_2	PM_{10}	$PM_{2.5}$	PM	SO_X	CH_4
Standard Warehouse	0.00	0.02	0.02	0.06	0.06	11.50	0.0033	0.00	0.00	0.00	0.00
Total	0.00	0.02	0.02	0.06	0.06	11.50	0.003	0.00	0.00	0.00	0.00

Model Output: OFFROAD2021 (v1.0.5) Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: 2026
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Ye	Vehicle Category	Model Year	Horsepower B	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumption	Total_Activ	Total_Population	Horsepower_Hours_hhpy
Los Angeles	2026	Airport Ground Support - Cargo Loader	Aggregate	Aggregate	Diesel	0.002402738	0.002907313	0.003459943	0.045076	0.018575	8.594095	0.000763204	0.000702147	8.14102E-05	0	279266.6289	128924.7	191.8429858	5402379.855

g/hph

	HC	ROG	TOG	CO	Nox	CO2	PM10	PM2_5	Sox	NH3	Fuel_gphr
2026	0.147270992	0.178197901	0.212070229	2.7628269	1.1385019	284	0.046779025	0.043036703	0.004989874	0	17117085.95

Project Yard Trucks 1

HP	190
Hours per Day	4
Days per Year	365
1 pound =	453.5924 grams

Emissions Source	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	MT/yr	PM10 tons/yr
Phase 1 Yard Trucks	0.30	1.91	4.63	0.01	0.08	0.07	475.85	78.78	0.014

Based on aggregated emission rates obtained from CARB OFFROAD Version 1.0.1.
Number of yard trucks/hostlers per SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results, June 2014.

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

	Project Mix	Idle (g/trip)	15 mph (g/mi)	35 mph (g/mi)	40 mph (g/mi)	45 mph (g/mi)	50 mph (g/mi)	55 mph (g/mi)
HHDT (4+)	0.63	0.002115893	0.008824757	0.007475418	0.009255765	0.011856913	0.015228151	0.019532854
LHDT2 (2-axle)	0.17	0.001231122	0.02091464	0.012012072	0.009891074	0.008418316	0.007461047	0.007328467
MHDT (3-axle)	0.21	0.001084001	0.013796922	0.005135412	0.004991347	0.00530829	0.00607808	0.007299375
Weighted Rates		**0.001753454**	**0.011875606**	**0.007744026**	**0.008473229**	**0.009919517**	**0.012027369**	**0.014950148**

Region	Calenc	Vehicle	Model Year	Speed	Fuel	Population	Total VMT	Trips	PM10_IDLEX	
Los Angeles (SC)	2026	HHDT	Aggregate	Aggregate	Gasoline	31.71483174	2530.344681	634.5503534	0	0
Los Angeles (SC)	2026	HHDT	Aggregate	Aggregate	Diesel	55277.3799	6819808.694	861655.4935	0.032754429	1810.579035
Los Angeles (SC)	2026	HHDT	Aggregate	Aggregate	Electricity	610.8824182	66680.90118	8378.642666	0	0
Los Angeles (SC)	2026	HHDT	Aggregate	Aggregate	Natural Gas	6222.084708	388064.7258	39801.3555	0.018623679	115.8781087
Los Angeles (SC)	2026	LHDT2	Aggregate	Aggregate	Gasoline	18802.30269	702537.4457	280126.2946	0	0
Los Angeles (SC)	2026	LHDT2	Aggregate	Aggregate	Diesel	28207.89186	1209848.539	354819.794	0.028112205	792.9860378
Los Angeles (SC)	2026	LHDT2	Aggregate	Aggregate	Electricity	691.3171043	43796.419	9170.618635	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	Aggregate	Gasoline	14018.64483	760040.5963	280485.0459	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	Aggregate	Diesel	61381.38023	2536950.689	754101.0651	0.018326263	1124.891324
Los Angeles (SC)	2026	MHDT	Aggregate	Aggregate	Electricity	1016.757423	56341.7981	13672.74866	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	Aggregate	Natural Gas	983.1551606	45313.1448	8372.262601	0.020848874	20.49767841

Region	Calenc	Vehicle	Model Year	Speed	Fuel	Total VMT	PM10_RUNEX	
Los Angeles (SC)	2026	HHDT	Aggregate	15	Gasoline	16.39677512	0.003357975	0.055059967
Los Angeles (SC)	2026	HHDT	Aggregate	15	Diesel	27796.91068	0.009255667	257.2789418
Los Angeles (SC)	2026	HHDT	Aggregate	15	Electricity	279.6878229	0	0
Los Angeles (SC)	2026	HHDT	Aggregate	15	Natural Gas	2133.66844	0.004409764	9.408975122
Los Angeles (SC)	2026	LHDT2	Aggregate	15	Gasoline	7443.643231	0.001781854	13.26348616
Los Angeles (SC)	2026	LHDT2	Aggregate	15	Diesel	8143.775461	0.039287938	319.9521472
Los Angeles (SC)	2026	LHDT2	Aggregate	15	Electricity	344.7528522	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	15	Gasoline	9407.93037	0.002679769	25.21107826
Los Angeles (SC)	2026	MHDT	Aggregate	15	Diesel	33291.63762	0.017413217	579.7145064
Los Angeles (SC)	2026	MHDT	Aggregate	15	Electricity	722.5230531	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	15	Natural Gas	520.3331488	0.002584174	1.344631435

Region	Calenc	Vehicle	Model Year	Speed	Fuel	Total VMT	PM10_RUNEX	
Los Angeles (SC)	2026	HHDT	Aggregate	35	Gasoline	198.0476851	0.001191735	0.236020435
Los Angeles (SC)	2026	HHDT	Aggregate	35	Diesel	450711.9568	0.00788824	3555.324247
Los Angeles (SC)	2026	HHDT	Aggregate	35	Electricity	4369.119751	0	0
Los Angeles (SC)	2026	HHDT	Aggregate	35	Natural Gas	28148.65746	0.002069883	58.26443507
Los Angeles (SC)	2026	LHDT2	Aggregate	35	Gasoline	74668.27141	0.000841919	62.86461353
Los Angeles (SC)	2026	LHDT2	Aggregate	35	Diesel	119112.0223	0.019459399	2317.848379
Los Angeles (SC)	2026	LHDT2	Aggregate	35	Electricity	4413.079953	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	35	Gasoline	80901.78692	0.000892758	72.22575372
Los Angeles (SC)	2026	MHDT	Aggregate	35	Diesel	275311.6402	0.006566912	1807.947177
Los Angeles (SC)	2026	MHDT	Aggregate	35	Electricity	6071.435058	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	35	Natural Gas	4757.621905	0.000996617	4.741525576

Region	Calenc	Vehicle	Model Year	Speed	Fuel	Total VMT	PM10_RUNEX	
Los Angeles (SC)	2026	HHDT	Aggregate	40	Gasoline	211.810341	0.001048227	0.222025304
Los Angeles (SC)	2026	HHDT	Aggregate	40	Diesel	437526.4715	0.009866818	4316.994158
Los Angeles (SC)	2026	HHDT	Aggregate	40	Electricity	4323.356856	0	0
Los Angeles (SC)	2026	HHDT	Aggregate	40	Natural Gas	30377.54151	0.001829304	55.56975476
Los Angeles (SC)	2026	LHDT2	Aggregate	40	Gasoline	60481.96397	0.000768896	46.50433903
Los Angeles (SC)	2026	LHDT2	Aggregate	40	Diesel	86418.34596	0.016655199	1439.314743
Los Angeles (SC)	2026	LHDT2	Aggregate	40	Electricity	3317.857892	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	40	Gasoline	66455.40048	0.000775172	51.51438537
Los Angeles (SC)	2026	MHDT	Aggregate	40	Diesel	231528.5914	0.006381441	1477.486051
Los Angeles (SC)	2026	MHDT	Aggregate	40	Electricity	5066.916617	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	40	Natural Gas	3887.315236	0.000780693	3.034798115

Region	Calenc	Vehicle	Model Year	Speed	Fuel	Total VMT	PM10_RUNEX	
Los Angeles (SC)	2026	HHDT	Aggregate	45	Gasoline	228.70857	0.000970984	0.222072418
Los Angeles (SC)	2026	HHDT	Aggregate	45	Diesel	451504.2042	0.012709158	5738.238453
Los Angeles (SC)	2026	HHDT	Aggregate	45	Electricity	4495.746083	0	0
Los Angeles (SC)	2026	HHDT	Aggregate	45	Natural Gas	32503.71383	0.001735089	56.39682395
Los Angeles (SC)	2026	LHDT2	Aggregate	45	Gasoline	58953.61768	0.000738727	43.55061401
Los Angeles (SC)	2026	LHDT2	Aggregate	45	Diesel	77165.36753	0.014618586	1128.048556
Los Angeles (SC)	2026	LHDT2	Aggregate	45	Electricity	3053.640901	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	45	Gasoline	65553.37911	0.000709976	46.54135303
Los Angeles (SC)	2026	MHDT	Aggregate	45	Diesel	229254.825	0.006816492	1562.713709
Los Angeles (SC)	2026	MHDT	Aggregate	45	Electricity	5009.023058	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	45	Natural Gas	3804.453558	0.000645824	2.457007567

Region	Calenc	Vehicle	Model Year	Speed	Fuel	Total VMT	PM10_RUNEX	
Los Angeles (SC)	2026	HHDT	Aggregate	50	Gasoline	213.2551013	0.000947023	0.201957585
Los Angeles (SC)	2026	HHDT	Aggregate	50	Diesel	393019.1411	0.016423258	6454.654846
Los Angeles (SC)	2026	HHDT	Aggregate	50	Electricity	3979.507413	0	0
Los Angeles (SC)	2026	HHDT	Aggregate	50	Natural Gas	30207.94632	0.001786189	53.95709943
Los Angeles (SC)	2026	LHDT2	Aggregate	50	Gasoline	49963.47479	0.000748317	37.38849578
Los Angeles (SC)	2026	LHDT2	Aggregate	50	Diesel	60186.92482	0.013337876	802.7657392
Los Angeles (SC)	2026	LHDT2	Aggregate	50	Electricity	2455.010553	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	50	Gasoline	58845.8322	0.000685903	40.36252397
Los Angeles (SC)	2026	MHDT	Aggregate	50	Diesel	200801.113	0.007884531	1583.222624
Los Angeles (SC)	2026	MHDT	Aggregate	50	Electricity	4419.554011	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	50	Natural Gas	3384.200258	0.000591488	2.001713764

Region	Calenc	Vehicle	Model Year	Speed	Fuel	Total VMT	PM10_RUNEX	
Los Angeles (SC)	2026	HHDT	Aggregate	55	Gasoline	266.6770688	0.000972355	0.25930479
Los Angeles (SC)	2026	HHDT	Aggregate	55	Diesel	507449.7636	0.02105616	10684.94365
Los Angeles (SC)	2026	HHDT	Aggregate	55	Electricity	5128.52307	0	0
Los Angeles (SC)	2026	HHDT	Aggregate	55	Natural Gas	38007.85303	0.001960772	74.52472086
Los Angeles (SC)	2026	LHDT2	Aggregate	55	Gasoline	57879.38385	0.000796628	46.10836116
Los Angeles (SC)	2026	LHDT2	Aggregate	55	Diesel	72833.70416	0.012813325	933.2419118
Los Angeles (SC)	2026	LHDT2	Aggregate	55	Electricity	2923.350163	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	55	Gasoline	69890.64053	0.00069895	48.85004977
Los Angeles (SC)	2026	MHDT	Aggregate	55	Diesel	230701.7063	0.009579042	2209.901242
Los Angeles (SC)	2026	MHDT	Aggregate	55	Electricity	5135.470422	0	0
Los Angeles (SC)	2026	MHDT	Aggregate	55	Natural Gas	4060.253278	0.000617678	2.507930957

CONSTRUCTION RISK (UNMITIGATED)

CONSTRUCTION RISK

Onsite	Offsite Liveoak	Offsite Stewart	Offsite Arrow
8.30E-03	3.16E-05	3.80E-05	5.37E-05

					Concentration (AVERAGE CONC) [ug/m^3]				**Concentration (AVERAGE CONC) [ug/m^3]**					**Residential Dose**					**Risk by Age Group**					
	Discrete R	X	Y	X, Y	Onsite	Offsite Liveoak	Offsite Stewart	Offsite Arrow	**Onsite**	**Offsite Liveoak**	**Offsite Stewart**	**Offsite Arrow**	**Unmitigated Total**	**3rd Tri**	**0<2**	**2<9**	**9<16**	**16<30**	**3rd Tri**	**0<2**	**2<9**	**9<16**	**16<30**	**Total Risk**
1	UCART1	410264.2	3774023.13	410264.21, 3774023.13	0.10128	0.15842	0.08669	0.04658	8.41E-04	5.00E-06	3.30E-06	2.50E-06	8.52E-04	2.9E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	1.2E-08	1.0E-07	0.0E+00	0.0E+00	0.0E+00	1.2E-07
2	UCART1	410309.2	3774023.13	410309.21, 3774023.13	0.11139	0.17214	0.09367	0.04932	9.25E-04	5.43E-06	3.56E-06	2.65E-06	9.36E-04	3.2E-07	9.8E-07	5.7E-07	5.1E-07	2.3E-07	1.3E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
3	UCART1	410354.2	3774023.13	410354.21, 3774023.13	0.12188	0.18473	0.10048	0.05217	1.01E-03	5.83E-06	3.82E-06	2.80E-06	1.02E-03	3.5E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.4E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
4	UCART1	410399.2	3774023.13	410399.21, 3774023.13	0.13227	0.1957	0.10671	0.05509	1.10E-03	6.18E-06	4.06E-06	2.96E-06	1.11E-03	3.8E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.5E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
5	UCART1	410444.2	3774023.13	410444.21, 3774023.13	0.14192	0.20474	0.11194	0.05806	1.18E-03	6.46E-06	4.26E-06	3.12E-06	1.19E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.6E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
6	UCART1	410489.2	3774023.13	410489.21, 3774023.13	0.15013	0.21169	0.11579	0.06101	1.25E-03	6.68E-06	4.40E-06	3.28E-06	1.26E-03	4.4E-07	1.3E-06	7.6E-07	6.9E-07	3.2E-07	1.7E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
7	UCART1	410534.2	3774023.13	410534.21, 3774023.13	0.15617	0.21633	0.11798	0.06388	1.30E-03	6.83E-06	4.49E-06	3.43E-06	1.31E-03	4.5E-07	1.4E-06	7.9E-07	7.2E-07	3.3E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
8	UCART1	410579.2	3774023.13	410579.21, 3774023.13	0.15952	0.21859	0.11844	0.06662	1.32E-03	6.90E-06	4.50E-06	3.58E-06	1.34E-03	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.4E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
9	UCART1	410624.2	3774023.13	410624.21, 3774023.13	0.16001	0.21847	0.1173	0.06914	1.33E-03	6.90E-06	4.46E-06	3.71E-06	1.34E-03	4.7E-07	1.4E-06	8.1E-07	7.4E-07	3.4E-07	1.8E-08	1.7E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
10	UCART1	410669.2	3774023.13	410669.21, 3774023.13	0.15776	0.21594	0.11478	0.07135	1.31E-03	6.82E-06	4.36E-06	3.83E-06	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.3E-07	3.3E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
11	UCART1	410714.2	3774023.13	410714.21, 3774023.13	0.15322	0.21113	0.11117	0.07318	1.27E-03	6.66E-06	4.23E-06	3.93E-06	1.29E-03	4.5E-07	1.3E-06	7.8E-07	7.1E-07	3.2E-07	1.7E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
12	UCART1	410759.2	3774023.13	410759.21, 3774023.13	0.14686	0.20409	0.10676	0.07455	1.22E-03	6.44E-06	4.06E-06	4.00E-06	1.23E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.7E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
13	UCART1	410804.2	3774023.13	410804.21, 3774023.13	0.13924	0.19507	0.1018	0.0754	1.16E-03	6.16E-06	3.87E-06	4.05E-06	1.17E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.6E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
14	UCART1	410849.2	3774023.13	410849.21, 3774023.13	0.13076	0.18428	0.0965	0.07568	1.09E-03	5.82E-06	3.67E-06	4.06E-06	1.10E-03	3.8E-07	1.1E-06	6.7E-07	6.0E-07	2.8E-07	1.5E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
15	UCART1	410894.2	3774023.13	410894.21, 3774023.13	0.12188	0.17223	0.09107	0.0754	1.01E-03	5.44E-06	3.46E-06	4.05E-06	1.02E-03	3.5E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.4E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
16	UCART1	410939.2	3774023.13	410939.21, 3774023.13	0.11298	0.15943	0.08567	0.07457	9.38E-04	5.03E-06	3.26E-06	4.00E-06	9.50E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.3E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
17	UCART1	410984.2	3774023.13	410984.21, 3774023.13	0.10432	0.14642	0.0804	0.07325	8.66E-04	4.62E-06	3.06E-06	3.93E-06	8.78E-04	3.0E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.2E-07
18	UCART1	411029.2	3774023.13	411029.21, 3774023.13	0.09613	0.1337	0.07536	0.0715	7.98E-04	4.22E-06	2.87E-06	3.84E-06	8.09E-04	2.8E-07	8.5E-07	4.9E-07	4.4E-07	2.0E-07	1.1E-08	1.0E-07	0.0E+00	0.0E+00	0.0E+00	1.1E-07
19	UCART1	411074.2	3774023.13	411074.21, 3774023.13	0.08852	0.12158	0.07058	0.0694	7.35E-04	3.84E-06	2.68E-06	3.73E-06	7.45E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	1.0E-08	9.2E-08	0.0E+00	0.0E+00	0.0E+00	1.0E-07
20	UCART1	411119.2	3774023.13	411119.21, 3774023.13	0.08155	0.11026	0.06609	0.06701	6.77E-04	3.48E-06	2.51E-06	3.60E-06	6.87E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	9.3E-09	8.5E-08	0.0E+00	0.0E+00	0.0E+00	9.4E-08
21	UCART1	411164.2	3774023.13	411164.21, 3774023.13	0.07522	0.09995	0.06191	0.06442	6.24E-04	3.16E-06	2.35E-06	3.46E-06	6.33E-04	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	8.6E-09	7.8E-08	0.0E+00	0.0E+00	0.0E+00	8.7E-08
22	UCART1	411209.2	3774023.13	411209.21, 3774023.13	0.0695	0.09075	0.05803	0.06167	5.77E-04	2.86E-06	2.21E-06	3.31E-06	5.85E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	8.0E-09	7.2E-08	0.0E+00	0.0E+00	0.0E+00	8.0E-08
23	UCART1	411254.2	3774023.13	411254.21, 3774023.13	0.06433	0.08262	0.05446	0.05884	5.34E-04	2.61E-06	2.07E-06	3.16E-06	5.42E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	7.4E-09	6.7E-08	0.0E+00	0.0E+00	0.0E+00	7.4E-08
24	UCART1	411299.2	3774023.13	411299.21, 3774023.13	0.05972	0.0755	0.05117	0.05599	4.96E-04	2.38E-06	1.95E-06	3.01E-06	5.03E-04	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	6.8E-09	6.2E-08	0.0E+00	0.0E+00	0.0E+00	6.9E-08
25	UCART1	410264.2	3774068.13	410264.21, 3774068.13	0.11275	0.18936	0.09668	0.04945	9.36E-04	5.98E-06	3.68E-06	2.66E-06	9.48E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.3E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
26	UCART1	410309.2	3774068.13	410309.21, 3774068.13	0.12573	0.20869	0.10583	0.05262	1.04E-03	6.59E-06	4.02E-06	2.83E-06	1.06E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	1.4E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
27	UCART1	410354.2	3774068.13	410354.21, 3774068.13	0.13968	0.22652	0.11508	0.05596	1.16E-03	7.15E-06	4.38E-06	3.00E-06	1.17E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.6E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
28	UCART1	410399.2	3774068.13	410399.21, 3774068.13	0.15404	0.24206	0.12389	0.05944	1.28E-03	7.64E-06	4.71E-06	3.19E-06	1.29E-03	4.5E-07	1.4E-06	7.8E-07	7.1E-07	3.2E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
29	UCART1	410444.2	3774068.13	410444.21, 3774068.13	0.16797	0.25482	0.1316	0.06302	1.39E-03	8.04E-06	5.00E-06	3.38E-06	1.41E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.9E-08	1.7E-07	0.0E+00	0.0E+00	0.0E+00	1.9E-07
30	UCART1	410489.2	3774068.13	410489.21, 3774068.13	0.18038	0.26451	0.13753	0.06664	1.50E-03	8.35E-06	5.23E-06	3.58E-06	1.51E-03	5.2E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	2.1E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.1E-07
31	UCART1	410534.2	3774068.13	410534.21, 3774068.13	0.19008	0.27109	0.14117	0.07024	1.58E-03	8.56E-06	5.37E-06	3.77E-06	1.60E-03	5.5E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	2.2E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
32	UCART1	410579.2	3774068.13	410579.21, 3774068.13	0.19599	0.27438	0.14226	0.07373	1.63E-03	8.66E-06	5.41E-06	3.96E-06	1.65E-03	5.7E-07	1.7E-06	1.0E-06	9.0E-07	4.1E-07	2.2E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
33	UCART1	410624.2	3774068.13	410624.21, 3774068.13	0.19762	0.27454	0.14093	0.07701	1.64E-03	8.67E-06	5.36E-06	4.14E-06	1.66E-03	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.2E-07	2.3E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
34	UCART1	410669.2	3774068.13	410669.21, 3774068.13	0.19496	0.27145	0.1375	0.07999	1.62E-03	8.57E-06	5.23E-06	4.30E-06	1.64E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	2.2E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
35	UCART1	410714.2	3774068.13	410714.21, 3774068.13	0.1887	0.26534	0.13248	0.08254	1.57E-03	8.38E-06	5.04E-06	4.43E-06	1.58E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	2.2E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
36	UCART1	410759.2	3774068.13	410759.21, 3774068.13	0.17964	0.25617	0.12633	0.08455	1.49E-03	8.09E-06	4.80E-06	4.54E-06	1.51E-03	5.2E-07	1.6E-06	9.1E-07	8.3E-07	3.8E-07	2.1E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.1E-07
37	UCART1	410804.2	3774068.13	410804.21, 3774068.13	0.16872	0.24418	0.11948	0.08592	1.40E-03	7.71E-06	4.54E-06	4.61E-06	1.42E-03	4.9E-07	1.5E-06	8.6E-07	7.8E-07	3.5E-07	1.9E-08	1.7E-07	0.0E+00	0.0E+00	0.0E+00	1.9E-07
38	UCART1	410849.2	3774068.13	410849.21, 3774068.13	0.15664	0.22949	0.11225	0.08656	1.30E-03	7.24E-06	4.27E-06	4.65E-06	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
39	UCART1	410894.2	3774068.13	410894.21, 3774068.13	0.14425	0.21289	0.10499	0.08645	1.20E-03	6.72E-06	3.99E-06	4.64E-06	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.7E-07	3.0E-07	1.6E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
40	UCART1	410939.2	3774068.13	410939.21, 3774068.13	0.13207	0.19513	0.0979	0.08559	1.10E-03	6.16E-06	3.72E-06	4.60E-06	1.11E-03	3.8E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.5E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
41	UCART1	410984.2	3774068.13	410984.21, 3774068.13	0.12051	0.17708	0.09111	0.08403	1.00E-03	5.59E-06	3.46E-06	4.51E-06	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.6E-07	2.5E-07	1.4E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
42	UCART1	411029.2	3774068.13	411029.21, 3774068.13	0.10982	0.15959	0.08472	0.08186	9.12E-04	5.04E-06	3.22E-06	4.40E-06	9.24E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	1.3E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
43	UCART1	411074.2	3774068.13	411074.21, 3774068.13	0.1001	0.14313	0.07876	0.0792	8.31E-04	4.52E-06	2.99E-06	4.25E-06	8.43E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	1.1E-08	1.0E-07	0.0E+00	0.0E+00	0.0E+00	1.2E-07
44	UCART1	411119.2	3774068.13	411119.21, 3774068.13	0.09137	0.12816	0.07324	0.07616	7.59E-04	4.05E-06	2.78E-06	4.09E-06	7.69E-04	2.7E-07	8.0E-07	4.7E-07	4.2E-07	1.9E-07	1.0E-08	9.5E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
45	UCART1	411164.2	3774068.13	411164.21, 3774068.13	0.08358	0.11467	0.06815	0.07283	6.94E-04	3.62E-06	2.59E-06	3.91E-06	7.04E-04	2.4E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	9.6E-09	8.7E-08	0.0E+00	0.0E+00	0.0E+00	9.6E-08
46	UCART1	411209.2	3774068.13	411209.21, 3774068.13	0.07669	0.10305	0.06352	0.06932	6.37E-04	3.25E-06	2.41E-06	3.72E-06	6.46E-04	2.2E-07	6.8E-07	3.9E-07	3.5E-07	1.6E-07	8.8E-09	8.0E-08	0.0E+00	0.0E+00	0.0E+00	8.8E-08
47	UCART1	411254.2	3774068.13	411254.21, 3774068.13	0.07046	0.09281	0.05925	0.06573	5.85E-04	2.93E-06	2.25E-06	3.53E-06	5.94E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	8.1E-09	7.3E-08	0.0E+00	0.0E+00	0.0E+00	8.1E-08
48	UCART1	411299.2	3774068.13	411299.21, 3774068.13	0.06496	0.08399	0.05536	0.06214	5.39E-04	2.65E-06	2.10E-06	3.34E-06	5.47E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	7.4E-09	6.7E-08	0.0E+00	0.0E+00	0.0E+00	7.5E-08
49	UCART1	410264.2	3774113.13	410264.21, 3774113.13	0.12573	0.23099	0.10821	0.05256	1.04E-03	7.29E-06	4.11E-06	2.82E-06	1.06E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	1.4E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
50	UCART1	410309.2	3774113.13	410309.21, 3774113.13	0.1424	0.25922	0.12025	0.05623	1.18E-03	8.18E-06	4.57E-06	3.02E-06	1.20E-03	4.1E-07	1.3E-06	7.2E-07	6.6E-07	3.0E-07	1.6E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
51	UCART1	410354.2	3774113.13	410354.21, 3774113.13	0.16099	0.2854	0.13291	0.06014	1.34E-03	9.01E-06	5.05E-06	3.23E-06	1.35E-03	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.8E-08	1.7E-07	0.0E+00	0.0E+00	0.0E+00	1.9E-07
52	UCART1	410399.2	3774113.13	410399.21, 3774113.13	0.18092	0.3079	0.14549	0.06429	1.50E-03	9.72E-06	5.53E-06	3.45E-06	1.52E-03	5.3E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	2.1E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.1E-07
53	UCART1	410444.2	3774113.13	410444.21, 3774113.13	0.20125	0.32629	0.15705	0.06861	1.67E-03	1.03E-05	5.97E-06	3.68E-06	1.69E-03	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	2.3E-08	2.1E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
54	UCART1	410489.2	3774113.13	410489.21, 3774113.13	0.22027	0.33991	0.16639	0.07306	1.83E-03	1.07E-05	6.33E-06	3.92E-06	1.85E-03	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	2.5E-08	2.3E-07	0.0E+00	0.0E+00	0.0E+00	2.5E-07
55	UCART1	410534.2	3774113.13	410534.21, 3774113.13	0.23602	0.34903	0.17249	0.07756	1.96E-03	1.10E-05	6.56E-06	4.16E-06	1.98E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.7E-08	2.4E-07	0.0E+00	0.0E+00	0.0E+00	2.7E-07
56	UCART1	410579.2	3774113.13	410579.21, 3774113.13	0.24656	0.35385	0.17476	0.08202	2.05E-03	1.12E-05	6.64E-06	4.40E-06	2.07E-03	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.8E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
57	UCART1	410624.2	3774113.13	410624.21, 3774113.13	0.2505	0.35443	0.1732	0.08632	2.08E-03	1.12E-05	6.58E-06	4.64E-06	2.10E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.9E-08	2.6E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
58	UCART1	410669.2	3774113.13	410669.21, 3774113.13	0.24747	0.35066	0.16831	0.09032	2.05E-03	1.11E-05	6.40E-06	4.85E-06	2.08E-03	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.8E-08	2.6E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
59	UCART1	410714.2	3774113.13	410714.21, 3774113.13	0.23846	0.34277	0.16098	0.09387	1.98E-03	1.08E-05	6.12E-06	5.04E-06	2.00E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.7E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	2.7E-07
60	UCART1	410759.2	3774113.13	410759.21, 3774113.13	0.225	0.33078	0.15209	0.09681	1.87E-03	1.04E-05	5.78E-06	5.20E-06	1.89E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.6E-08	2.3E-07	0.0E+00	0.0E+00	0.0E+00	2.6E-07
61	UCART1	410804.2	3774113.13	410804.21, 3774113.13	0.20866	0.3145	0.14233	0.09897	1.73E-03	9.93E-06	5.41E-06	5.31E-06	1.75E-03	6.1E-07	1.8E-06	1.1E-06	9.6E-07	4.4E-07	2.4E-08	2.2E-07	0.0E+00	0.0E+00	0.0E+00	2.4E-07
62	UCART1	410849.2	3774113.13	410849.21, 3774113.13	0.19094	0.29411	0.13227	0.1002	1.59E-03	9.28E-06	5.03E-06	5.38E-06	1.60E-03	5.6E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	2.2E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
63	UCART1	410894.2	3774113.13	410894.21, 3774113.13	0.17318	0.27064	0.12239	0.1004	1.44E-03	8.54E-06	4.65E-06	5.39E-06	1.46E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	2.0E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
64	UCART1	410939.2	3774113.13	410939.21, 3774113.13	0.15621	0.24519	0.11296	0.09956	1.30E-03	7.74E-06	4.29E-06	5.35E-06	1.31E-03	4.5E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
65	UCART1	410984.2	3774113.13	410984.21, 3774113.13	0.14055	0.21918	0.10412	0.09773	1.17E-03	6.92E-06	3.96E-06	5.25E-06	1.18E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.6E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
66	UCART1	411029.2	3774113.13	411029.21, 3774113.13	0.12646	0.19426	0.09595	0.09501	1.05E-03	6.13E-06	3.65E-06	5.10E-06	1.06E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.7E-07	1.4E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
67	UCART1	411074.2	3774113.13	411074.21, 3774113.13	0.11397	0.17131	0.08845	0.09158	9.46E-04	5.41E-06	3.36E-06	4.92E-06	9.60E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.3E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
68	UCART1	411119.2	3774113.13	411119.21, 3774113.13	0.103	0.15087	0.08162	0.08761	8.55E-04	4.76E-06	3.10E-06	4.70E-06	8.68E-04	3.0E-07	9.1E-07	5.2E-07	4.8E-07	2.2E-07	1.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.2E-07
69	UCART1	411164.2	3774113.13	411164.21, 3774113.13	0.09331	0.13296	0.07539	0.08325	7.75E-04	4.20E-06	2.87E-06	4.47E-06	7.86E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	1.1E-08	9.7E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
70	UCART1	411209.2	3774113.13	411209.21, 3774113.13	0.08504	0.11804	0.06985	0.07869	7.06E-04	3.73E-06	2.66E-06	4.23E-06	7.17E-04	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	9.7E-09	8.8E-08	0.0E+00	0.0E+00	0.0E+00	9.8E-08
71	UCART1	411254.2	3774113.13	411254.21, 3774113.13	0.07746	0.10498	0.0647	0.07404	6.43E-04	3.31E-06	2.46E-06	3.98E-06	6.53E-04	2.3E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	8.9E-09	8.0E-08	0.0E+00	0.0E+00	0.0E+00	8.9E-08
72	UCART1	411299.2	3774113.13	411299.21, 3774113.13	0.07103	0.09414	0.06014	0.06946	5.90E-04	2.97E-06	2.29E-06	3.73E-06	5.99E-04	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	8.1E-09	7.4E-08	0.0E+00	0.0E+00	0.0E+00	8.2E-08
73	UCART1	410264.2	3774158.13	410264.21, 3774158.13	0.14033	0.28936	0.12151	0.05591	1.16E-03	9.13E-06	4.62E-06	3.00E-06	1.18E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.6E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
74	UCART1	410309.2	3774158.13	410309.21, 3774158.13	0.16165	0.33238	0.13735	0.06016	1.34E-03	1.05E-05	5.22E-06	3.23E-06	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.5E-07	3.4E-07	1.9E-08	1.7E-07	0.0E+00	0.0E+00	0.0E+00	1.9E-07
75	UCART1	410354.2	3774158.13	410354.21, 3774158.13	0.18641	0.37235	0.15477	0.06476	1.55E-03	1.18E-05	5.88E-06	3.48E-06	1.57E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	2.1E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.1E-07
76	UCART1	410399.2	3774158.13	410399.21, 3774158.13	0.21427	0.40635	0.17298	0.06969	1.78E-03	1.28E-05	6.58E-06	3.74E-06	1.80E-03	6.2E-07	1.9E-06	1.1E-06	9.9E-07	4.5E-07	2.5E-08	2.2E-07	0.0E+00	0.0E+00	0.0E+00	2.5E-07
77	UCART1	410444.2	3774158.13	410444.21, 3774158.13	0.24412	0.43309	0.19063	0.07491	2.03E-03	1.37E-05	7.25E-06	4.02E-06	2.05E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.8E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
78	UCART1	410489.2	3774158.13	410489.21, 3774158.13	0.27385	0.45262	0.2058	0.08038	2.27E-03	1.43E-05	7.82E-06	4.32E-06	2.30E-03	8.0E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	3.1E-08	2.8E-07	0.0E+00	0.0E+00	0.0E+00	3.1E-07
79	UCART1	410534.2	3774158.13	410534.21, 3774158.13	0.30014	0.46534	0.21638	0.08602	2.49E-03	1.47E-05	8.23E-06	4.62E-06	2.52E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	3.4E-08	3.1E-07	0.0E+00	0.0E+00	0.0E+00	3.4E-07
80	UCART1	410579.2	3774158.13	410579.21, 3774158.13	0.31922	0.47206	0.22087	0.09173	2.65E-03	1.49E-05	8.40E-06	4.93E-06	2.68E-03	9.3E-07	2.8E-06	1.6E-06	1.5E-06	6.7E-07	3.6E-08	3.3E-07	0.0E+00	0.0E+00	0.0E+00	3.7E-07
81	UCART1	410624.2	3774158.13	410624.21, 3774158.13	0.32773	0.47289	0.21889	0.09736	2.72E-03	1.49E-05	8.32E-06	5.23E-06	2.75E-03	9.5E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	3.7E-08	3.4E-07	0.0E+00	0.0E+00	0.0E+00	3.8E-07
82	UCART1	410669.2	3774158.13	410669.21, 3774158.13	0.3246	0.46829	0.21147	0.10276	2.69E-03	1.48E-05	8.04E-06	5.52E-06	2.72E-03	9.4E-07	2.8E-06	1.6E-06	1.5E-06	6.8E-07	3.7E-08	3.4E-07	0.0E+00	0.0E+00	0.0E+00	3.7E-07
83	UCART1	410714.2	3774158.13	410714.21, 3774158.13	0.31097	0.45811	0.2002	0.10772	2.58E-03	1.45E-05	7.61E-06	5.78E-06	2.61E-03	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.5E-08	3.2E-07	0.0E+00	0.0E+00	0.0E+00	3.6E-07
84	UCART1	410759.2	3774158.13	410759.21, 3774158.13	0.28972	0.44198	0.18671	0.112	2.41E-03	1.40E-05	7.10E-06	6.01E-06	2.43E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	3.3E-08	3.0E-07	0.0E+00	0.0E+00	0.0E+00	3.3E-07
85	UCART1	410804.2	3774158.13	410804.21, 3774158.13	0.26426	0.41972	0.17238	0.11537	2.19E-03	1.32E-05	6.55E-06	6.19E-06	2.22E-03	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.6E-07	3.0E-08	2.7E-07	0.0E+00	0.0E+00	0.0E+00	3.0E-07
86	UCART1	410849.2	3774158.13	410849.21, 3774158.13	0.23731	0.39083	0.15805	0.11755	1.97E-03	1.23E-05	6.01E-06	6.31E-06	1.99E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.7E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	2.7E-07
87	UCART1	410894.2	3774158.13	410894.21, 3774158.13	0.21115	0.35644	0.14438	0.11835	1.75E-03	1.13E-05	5.49E-06	6.35E-06	1.78E-03	6.1E-07	1.9E-06	1.1E-06	9.7E-07	4.4E-07	2.4E-08	2.2E-07	0.0E+00	0.0E+00	0.0E+00	2.4E-07
88	UCART1	410939.2	3774158.13	410939.21, 3774158.13	0.18706	0.31838	0.13168	0.11767	1.55E-03	1.01E-05	5.01E-06	6.32E-06	1.57E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	2.1E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
89	UCART1	410984.2	3774158.13	410984.21, 3774158.13	0.16558	0.27927	0.12004	0.11552	1.37E-03	8.82E-06	4.56E-06	6.20E-06	1.39E-03	4.8E-07	1.5E-06	8.4E-07	7.6E-07	3.5E-07	1.9E-08	1.7E-07	0.0E+00	0.0E+00	0.0E+00	1.9E-07
90	UCART1	411029.2	3774158.13	411029.21, 3774158.13	0.14688	0.24226	0.10951	0.11207	1.22E-03	7.65E-06	4.16E-06	6.02E-06	1.24E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.7E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
91	UCART1	411074.2	3774158.13	411074.21, 3774158.13	0.13071	0.20886	0.1	0.10754	1.09E-03	6.59E-06	3.80E-06	5.77E-06	1.10E-03	3.8E-07	1.2E-06	6.7E-07	6.0E-07	2.8E-07	1.5E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
92	UCART1	411119.2	3774158.13	411119.21, 3774158.13	0.11685	0.18023	0.0915	0.10222	9.70E-04	5.69E-06	3.48E-06	5.49E-06	9.85E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.3E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
93	UCART1	411164.2	3774158.13	411164.21, 3774158.13	0.10479	0.15607	0.08387	0.09638	8.70E-04	4.93E-06	3.19E-06	5.18E-06	8.83E-04	3.1E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.2E-07
94	UCART1	411209.2	3774158.13	411209.21, 3774158.13	0.09463	0.13633	0.07712	0.0903	7.86E-04	4.30E-06	2.93E-06	4.85E-06	7.98E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	1.1E-08	9.8E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
95	UCART1	411254.2	3774158.13	411254.21, 3774158.13	0.08564	0.11977	0.07098	0.08419	7.11E-04	3.78E-06	2.70E-06	4.52E-06	7.22E-04	2.5E-07	7.5E-07	4.4E-07	4.0E-07	1.8E-07	9.8E-09	8.9E-08	0.0E+00	0.0E+00	0.0E+00	9.9E-08
96	UCART1	411299.2	3774158.13	411299.21, 3774158.13	0.07804	0.10623	0.06559	0.07826	6.48E-04	3.35E-06	2.49E-06	4.20E-06	6.58E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	8.9E-09	8.1E-08	0.0E+00	0.0E+00	0.0E+00	9.0E-08
97	UCART1	410264.2	3774203.13	410264.21, 3774203.13	0.15652	0.37548	0.13669	0.0595	1.30E-03	1.19E-05	5.20E-06	3.19E-06	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
98	UCART1	410309.2	3774203.13	410309.21, 3774203.13	0.18366	0.4458	0.15755	0.06444	1.52E-03	1.41E-05	5.99E-06	3.46E-06	1.55E-03	5.4E-07	1.6E-06	9.4E-07	8.5E-07	3.9E-07	2.1E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.1E-07
99	UCART1	410354.2	3774203.13	410354.21, 3774203.13	0.21654	0.51057	0.18161	0.06983	1.80E-03	1.61E-05	6.90E-06	3.75E-06	1.82E-03	6.3E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	2.5E-08	2.2E-07	0.0E+00	0.0E+00	0.0E+00	2.5E-07
100	UCART1	410399.2	3774203.13	410399.21, 3774203.13	0.25547	0.56386	0.20826	0.0757	2.12E-03	1.78E-05	7.92E-06	4.06E-06	2.15E-03	7.4E-07	2.2E-06	1.3E-06	1.2E-06	5.4E-07	2.9E-08	2.6E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
101	UCART1	410444.2	3774203.13	410444.21, 3774203.13	0.29983	0.60397	0.23587	0.08202	2.49E-03	1.91E-05	8.97E-06	4.40E-06	2.52E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	3.4E-08	3.1E-07	0.0E+00	0.0E+00	0.0E+00	3.4E-07
102	UCART1	410489.2	3774203.13	410489.21, 3774203.13	0.34714	0.63195	0.26138	0.08876	2.88E-03	1.99E-05	9.94E-06	4.77E-06	2.92E-03	1.0E-06	3.0E-06	1.8E-06	1.6E-06	7.3E-07	4.0E-08	3.6E-07	0.0E+00	0.0E+00	0.0E+00	4.0E-07
103	UCART1	410534.2	3774203.13	410534.21, 3774203.13	0.39233	0.64945	0.28057	0.09584	3.26E-03	2.05E-05	1.07E-05	5.15E-06	3.29E-03	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.2E-07	4.5E-08	4.1E-07	0.0E+00	0.0E+00	0.0E+00	4.5E-07
104	UCART1	410579.2	3774203.13	410579.21, 3774203.13	0.42809	0.65844	0.28963	0.10315	3.55E-03	2.08E-05	1.10E-05	5.54E-06	3.59E-03	1.2E-06	3.8E-06	2.2E-06	2.0E-06	9.0E-07	4.9E-08	4.4E-07	0.0E+00	0.0E+00	0.0E+00	4.9E-07
105	UCART1	410624.2	3774203.13	410624.21, 3774203.13	0.44685	0.65987	0.28711	0.11056	3.71E-03	2.08E-05	1.09E-05	5.94E-06	3.75E-03	1.3E-06	3.9E-06	2.3E-06	2.1E-06	9.4E-07	5.1E-08	4.6E-07	0.0E+00	0.0E+00	0.0E+00	5.1E-07
106	UCART1	410669.2	3774203.13	410669.21, 3774203.13	0.44422	0.65366	0.27467	0.11786	3.69E-03	2.06E-05	1.04E-05	6.33E-06	3.73E-03	1.3E-06	3.9E-06	2.3E-06	2.0E-06	9.3E-07	5.1E-08	4.6E-07	0.0E+00	0.0E+00	0.0E+00	5.1E-07
107	UCART1	410714.2	3774203.13	410714.21, 3774203.13	0.42181	0.63968	0.25592	0.12479	3.50E-03	2.02E-05	9.73E-06	6.70E-06	3.54E-03	1.2E-06	3.7E-06	2.1E-06	1.9E-06	8.9E-07	4.8E-08	4.4E-07	0.0E+00	0.0E+00	0.0E+00	4.8E-07
108	UCART1	410759.2	3774203.13	410759.21, 3774203.13	0.38597	0.61776	0.23444	0.13105	3.20E-03	1.95E-05	8.91E-06	7.04E-06	3.24E-03	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.1E-07	4.4E-08	4.0E-07	0.0E+00	0.0E+00	0.0E+00	4.4E-07
109	UCART1	410804.2	3774203.13	410804.21, 3774203.13	0.34399	0.58669	0.21264	0.13627	2.86E-03	1.85E-05	8.08E-06	7.32E-06	2.89E-03	1.0E-06	3.0E-06	1.7E-06	1.6E-06	7.2E-07	3.9E-08	3.6E-07	0.0E+00	0.0E+00	0.0E+00	4.0E-07
110	UCART1	410849.2	3774203.13	410849.21, 3774203.13	0.30123	0.54417	0.19172	0.14	2.50E-03	1.72E-05	7.29E-06	7.52E-06	2.53E-03	8.8E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	3.4E-08	3.1E-07	0.0E+00	0.0E+00	0.0E+00	3.5E-07
111	UCART1	410894.2	3774203.13	410894.21, 3774203.13	0.26174	0.4917	0.17253	0.14189	2.17E-03	1.55E-05	6.56E-06	7.62E-06	2.20E-03	7.6E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	3.0E-08	2.7E-07	0.0E+00	0.0E+00	0.0E+00	3.0E-07
112	UCART1	410939.2	3774203.13	410939.21, 3774203.13	0.22695	0.43157	0.15519	0.14165	1.88E-03	1.36E-05	5.90E-06	7.61E-06	1.91E-03	6.6E-07	2.0E-06	1.2E-06	1.0E-06	4.8E-07	2.6E-08	2.4E-07	0.0E+00	0.0E+00	0.0E+00	2.6E-07
113	UCART1	410984.2	3774203.13	410984.21, 3774203.13	0.19722	0.36944	0.13972	0.13922	1.64E-03	1.17E-05	5.31E-06	7.48E-06	1.66E-03	5.8E-07	1.7E-06	1.0E-06	9.1E-07	4.2E-07	2.3E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
114	UCART1	411029.2	3774203.13	411029.21, 3774203.13	0.1721	0.31091	0.12599	0.13475	1.43E-03	9.81E-06	4.79E-06	7.24E-06	1.45E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	2.0E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
115	UCART1	411074.2	3774203.13	411074.21, 3774203.13	0.15107	0.26037	0.11391	0.12862	1.25E-03	8.22E-06	4.33E-06	6.91E-06	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.7E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
116	UCART1	411119.2	3774203.13	411119.21, 3774203.13	0.13332	0.21876	0.10323	0.12128	1.11E-03	6.91E-06	3.92E-06	6.51E-06	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.5E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
117	UCART1	411164.2	3774203.13	411164.21, 3774203.13	0.11841	0.18545	0.09381	0.11323	9.83E-04	5.85E-06	3.57E-06	6.08E-06	9.98E-04	3.5E-07	1.0E-06	6.0E-07	5.5E-07	2.5E-07	1.4E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
118	UCART1	411209.2	3774203.13	411209.21, 3774203.13	0.10591	0.15902	0.08555	0.10493	8.79E-04	5.02E-06	3.25E-06	5.63E-06	8.93E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	1.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.2E-07

CONSTRUCTION RISK (UNMITIGATED)

119	UCART1	411254.2	3774203.13	411254.21, 3774203.13	0.09505	0.1375	0.07813	0.09672	7.89E-04	4.34E-06	2.97E-06	5.19E-06	8.02E-04	2.8E-07	8.4E-07	4.8E-07	4.4E-07	2.0E-07	1.1E-08	9.9E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
120	UCART1	411299.2	3774203.13	411299.21, 3774203.13	0.08615	0.12057	0.07182	0.08892	7.15E-04	3.81E-06	2.73E-06	4.77E-06	7.26E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	9.9E-09	8.9E-08	0.0E+00	0.0E+00	0.0E+00	9.9E-08
121	UCART1	410264.2	3774248.13	410264.21, 3774248.13	0.17401	0.51141	0.15372	0.06338	1.44E-03	1.61E-05	5.84E-06	3.40E-06	1.47E-03	5.1E-07	1.5E-06	8.9E-07	8.1E-07	3.7E-07	2.0E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
122	UCART1	410309.2	3774248.13	410309.21, 3774248.13	0.2083	0.6393	0.1811	0.06907	1.73E-03	2.02E-05	6.88E-06	3.71E-06	1.76E-03	6.1E-07	1.8E-06	1.1E-06	9.7E-07	4.4E-07	2.4E-08	2.2E-07	0.0E+00	0.0E+00	0.0E+00	2.4E-07
123	UCART1	410354.2	3774248.13	410354.21, 3774248.13	0.25166	0.7545	0.21437	0.0754	2.09E-03	2.38E-05	8.15E-06	4.05E-06	2.13E-03	7.4E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.9E-08	2.6E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
124	UCART1	410399.2	3774248.13	410399.21, 3774248.13	0.30598	0.84286	0.25375	0.08239	2.54E-03	2.66E-05	9.65E-06	4.42E-06	2.58E-03	8.9E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.5E-08	3.2E-07	0.0E+00	0.0E+00	0.0E+00	3.5E-07
125	UCART1	410444.2	3774248.13	410444.21, 3774248.13	0.37228	0.90415	0.29798	0.09005	3.09E-03	2.85E-05	1.13E-05	4.84E-06	3.14E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.8E-07	4.3E-08	3.9E-07	0.0E+00	0.0E+00	0.0E+00	4.3E-07
126	UCART1	410489.2	3774248.13	410489.21, 3774248.13	0.44906	0.94386	0.34287	0.09835	3.73E-03	2.98E-05	1.30E-05	5.28E-06	3.78E-03	1.3E-06	3.9E-06	2.3E-06	2.1E-06	9.5E-07	5.1E-08	4.7E-07	0.0E+00	0.0E+00	0.0E+00	5.2E-07
127	UCART1	410534.2	3774248.13	410534.21, 3774248.13	0.52973	0.9673	0.38021	0.10725	4.40E-03	3.05E-05	1.45E-05	5.76E-06	4.45E-03	1.5E-06	4.6E-06	2.7E-06	2.4E-06	1.1E-06	6.0E-08	5.5E-07	0.0E+00	0.0E+00	0.0E+00	6.1E-07
128	UCART1	410579.2	3774248.13	410579.21, 3774248.13	0.60046	0.97809	0.39969	0.11665	4.98E-03	3.09E-05	1.52E-05	6.26E-06	5.04E-03	1.7E-06	5.3E-06	3.0E-06	2.8E-06	1.3E-06	6.9E-08	6.2E-07	0.0E+00	0.0E+00	0.0E+00	6.9E-07
129	UCART1	410624.2	3774248.13	410624.21, 3774248.13	0.64247	0.97782	0.39556	0.1264	5.33E-03	3.09E-05	1.50E-05	6.79E-06	5.39E-03	1.9E-06	5.6E-06	3.3E-06	3.0E-06	1.3E-06	7.3E-08	6.6E-07	0.0E+00	0.0E+00	0.0E+00	7.4E-07
130	UCART1	410669.2	3774248.13	410669.21, 3774248.13	0.64253	0.96819	0.37192	0.13629	5.33E-03	3.06E-05	1.41E-05	7.32E-06	5.39E-03	1.9E-06	5.6E-06	3.3E-06	3.0E-06	1.3E-06	7.3E-08	6.6E-07	0.0E+00	0.0E+00	0.0E+00	7.4E-07
131	UCART1	410714.2	3774248.13	410714.21, 3774248.13	0.60227	0.94932	0.33819	0.14604	5.00E-03	3.00E-05	1.29E-05	7.84E-06	5.05E-03	1.7E-06	5.3E-06	3.1E-06	2.8E-06	1.3E-06	6.9E-08	6.2E-07	0.0E+00	0.0E+00	0.0E+00	6.9E-07
132	UCART1	410759.2	3774248.13	410759.21, 3774248.13	0.53605	0.9176	0.30194	0.15521	4.45E-03	2.90E-05	1.15E-05	8.33E-06	4.50E-03	1.6E-06	4.7E-06	2.7E-06	2.5E-06	1.1E-06	6.1E-08	5.5E-07	0.0E+00	0.0E+00	0.0E+00	6.2E-07
133	UCART1	410804.2	3774248.13	410804.21, 3774248.13	0.46236	0.87426	0.26774	0.16334	3.84E-03	2.76E-05	1.02E-05	8.77E-06	3.88E-03	1.3E-06	4.1E-06	2.4E-06	2.1E-06	9.7E-07	5.3E-08	4.8E-07	0.0E+00	0.0E+00	0.0E+00	5.3E-07
134	UCART1	410849.2	3774248.13	410849.21, 3774248.13	0.3917	0.80982	0.23655	0.16966	3.25E-03	2.56E-05	8.99E-06	9.11E-06	3.30E-03	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.2E-07	4.5E-08	4.1E-07	0.0E+00	0.0E+00	0.0E+00	4.5E-07
135	UCART1	410894.2	3774248.13	410894.21, 3774248.13	0.33043	0.72559	0.20914	0.17354	2.74E-03	2.29E-05	7.95E-06	9.32E-06	2.78E-03	9.6E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	3.8E-08	3.4E-07	0.0E+00	0.0E+00	0.0E+00	3.8E-07
136	UCART1	410939.2	3774248.13	410939.21, 3774248.13	0.27938	0.62338	0.18517	0.17436	2.32E-03	1.97E-05	7.04E-06	9.36E-06	2.36E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	3.2E-08	2.9E-07	0.0E+00	0.0E+00	0.0E+00	3.2E-07
137	UCART1	410984.2	3774248.13	410984.21, 3774248.13	0.23763	0.51446	0.16435	0.17179	1.97E-03	1.62E-05	6.25E-06	9.22E-06	2.00E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.7E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	2.7E-07
138	UCART1	411029.2	3774248.13	411029.21, 3774248.13	0.2036	0.41435	0.14633	0.16592	1.69E-03	1.31E-05	5.56E-06	8.91E-06	1.72E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	2.3E-08	2.1E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
139	UCART1	411074.2	3774248.13	411074.21, 3774248.13	0.17583	0.33268	0.13072	0.15732	1.46E-03	1.05E-05	4.97E-06	8.45E-06	1.48E-03	5.1E-07	1.6E-06	9.0E-07	8.1E-07	3.7E-07	2.0E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
140	UCART1	411119.2	3774248.13	411119.21, 3774248.13	0.15311	0.27	0.11715	0.14682	1.27E-03	8.52E-06	4.45E-06	7.88E-06	1.29E-03	4.5E-07	1.4E-06	7.8E-07	7.1E-07	3.2E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
141	UCART1	411164.2	3774248.13	411164.21, 3774248.13	0.13435	0.22254	0.10534	0.13532	1.12E-03	7.02E-06	4.00E-06	7.27E-06	1.13E-03	3.9E-07	1.2E-06	6.9E-07	6.2E-07	2.8E-07	1.5E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
142	UCART1	411209.2	3774248.13	411209.21, 3774248.13	0.11932	0.18718	0.09542	0.12367	9.91E-04	5.91E-06	3.63E-06	6.64E-06	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.4E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
143	UCART1	411254.2	3774248.13	411254.21, 3774248.13	0.10624	0.15902	0.08649	0.11239	8.82E-04	5.02E-06	3.29E-06	6.03E-06	8.96E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.2E-07	1.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.2E-07
144	UCART1	411299.2	3774248.13	411299.21, 3774248.13	0.0956	0.13748	0.07897	0.10197	7.94E-04	4.34E-06	3.00E-06	5.48E-06	8.06E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	1.1E-08	9.9E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
145	UCART1	410264.2	3774293.13	410264.21, 3774293.13	0.19237	0.7502	0.1724	0.06751	1.60E-03	2.37E-05	6.55E-06	3.63E-06	1.63E-03	5.6E-07	1.7E-06	9.9E-07	8.9E-07	4.1E-07	2.2E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
146	UCART1	410309.2	3774293.13	410309.21, 3774293.13	0.23499	1.02717	0.20792	0.07409	1.95E-03	3.24E-05	7.90E-06	3.98E-06	2.00E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.7E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	2.7E-07
147	UCART1	410354.2	3774293.13	410354.21, 3774293.13	0.29146	1.26522	0.25365	0.08151	2.42E-03	3.99E-05	9.64E-06	4.38E-06	2.47E-03	8.6E-07	2.6E-06	1.5E-06	1.4E-06	6.2E-07	3.4E-08	3.0E-07	0.0E+00	0.0E+00	0.0E+00	3.4E-07
148	UCART1	410399.2	3774293.13	410399.21, 3774293.13	0.3665	1.42182	0.31199	0.08983	3.04E-03	4.49E-05	1.19E-05	4.82E-06	3.10E-03	1.1E-06	3.2E-06	1.9E-06	1.7E-06	7.8E-07	4.2E-08	3.8E-07	0.0E+00	0.0E+00	0.0E+00	4.2E-07
149	UCART1	410444.2	3774293.13	410444.21, 3774293.13	0.46548	1.51475	0.38433	0.0991	3.86E-03	4.78E-05	1.46E-05	5.32E-06	3.93E-03	1.4E-06	4.1E-06	2.4E-06	2.2E-06	9.8E-07	5.3E-08	4.8E-07	0.0E+00	0.0E+00	0.0E+00	5.4E-07
150	UCART1	410489.2	3774293.13	410489.21, 3774293.13	0.59214	1.56737	0.46757	0.10934	4.92E-03	4.95E-05	1.78E-05	5.87E-06	4.99E-03	1.7E-06	5.2E-06	3.0E-06	2.7E-06	1.2E-06	6.8E-08	6.1E-07	0.0E+00	0.0E+00	0.0E+00	6.8E-07
151	UCART1	410534.2	3774293.13	410534.21, 3774293.13	0.7426	1.5947	0.54768	0.12055	6.16E-03	5.03E-05	2.08E-05	6.47E-06	6.24E-03	2.2E-06	6.5E-06	3.8E-06	3.4E-06	1.6E-06	8.5E-08	7.7E-07	0.0E+00	0.0E+00	0.0E+00	8.5E-07
152	UCART1	410579.2	3774293.13	410579.21, 3774293.13	0.89356	1.60291	0.59549	0.13265	7.42E-03	5.06E-05	2.26E-05	7.12E-06	7.50E-03	2.6E-06	7.8E-06	4.5E-06	4.1E-06	1.9E-06	1.0E-07	9.2E-07	0.0E+00	0.0E+00	0.0E+00	1.0E-06
153	UCART1	410624.2	3774293.13	410624.21, 3774293.13	0.99745	1.59615	0.58679	0.14553	8.28E-03	5.04E-05	2.23E-05	7.81E-06	8.36E-03	2.9E-06	8.7E-06	5.1E-06	4.6E-06	2.1E-06	1.1E-07	1.0E-06	0.0E+00	0.0E+00	0.0E+00	1.1E-06
154	UCART1	410669.2	3774293.13	410669.21, 3774293.13	1.00695	1.57318	0.53285	0.15897	8.36E-03	4.97E-05	2.03E-05	8.54E-06	8.44E-03	2.9E-06	8.8E-06	5.1E-06	4.6E-06	2.1E-06	1.1E-07	1.0E-06	0.0E+00	0.0E+00	0.0E+00	1.2E-06
155	UCART1	410714.2	3774293.13	410714.21, 3774293.13	0.92284	1.54786	0.46525	0.17277	7.66E-03	4.89E-05	1.77E-05	9.28E-06	7.74E-03	2.7E-06	8.1E-06	4.7E-06	4.2E-06	1.9E-06	1.1E-07	9.5E-07	0.0E+00	0.0E+00	0.0E+00	1.1E-06
156	UCART1	410759.2	3774293.13	410759.21, 3774293.13	0.78536	1.49953	0.40051	0.18629	6.52E-03	4.73E-05	1.52E-05	1.00E-05	6.59E-03	2.3E-06	6.9E-06	4.0E-06	3.6E-06	1.6E-06	9.0E-08	8.1E-07	0.0E+00	0.0E+00	0.0E+00	9.0E-07
157	UCART1	410804.2	3774293.13	410804.21, 3774293.13	0.64447	1.43233	0.34462	0.19893	5.35E-03	4.52E-05	1.31E-05	1.07E-05	5.42E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	7.4E-08	6.7E-07	0.0E+00	0.0E+00	0.0E+00	7.4E-07
158	UCART1	410849.2	3774293.13	410849.21, 3774293.13	0.52263	1.33133	0.29709	0.20963	4.34E-03	4.20E-05	1.13E-05	1.13E-05	4.40E-03	1.5E-06	4.6E-06	2.7E-06	2.4E-06	1.1E-06	6.0E-08	5.4E-07	0.0E+00	0.0E+00	0.0E+00	6.0E-07
159	UCART1	410894.2	3774293.13	410894.21, 3774293.13	0.42495	1.18653	0.25713	0.21723	3.53E-03	3.75E-05	9.78E-06	1.17E-05	3.59E-03	1.2E-06	3.7E-06	2.2E-06	2.0E-06	9.0E-07	4.9E-08	4.4E-07	0.0E+00	0.0E+00	0.0E+00	4.9E-07
160	UCART1	410939.2	3774293.13	410939.21, 3774293.13	0.34862	0.99166	0.22359	0.22043	2.89E-03	3.13E-05	8.50E-06	1.18E-05	2.95E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	4.0E-08	3.6E-07	0.0E+00	0.0E+00	0.0E+00	4.0E-07
161	UCART1	410984.2	3774293.13	410984.21, 3774293.13	0.28954	0.77215	0.1954	0.21826	2.40E-03	2.44E-05	7.43E-06	1.17E-05	2.45E-03	8.5E-07	2.6E-06	1.5E-06	1.3E-06	6.1E-07	3.3E-08	3.0E-07	0.0E+00	0.0E+00	0.0E+00	3.3E-07
162	UCART1	411029.2	3774293.13	411029.21, 3774293.13	0.24261	0.57779	0.1713	0.21045	2.01E-03	1.82E-05	6.51E-06	1.13E-05	2.05E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.8E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
163	UCART1	411074.2	3774293.13	411074.21, 3774293.13	0.20617	0.4361	0.15103	0.1979	1.71E-03	1.38E-05	5.74E-06	1.06E-05	1.74E-03	6.0E-07	1.8E-06	1.1E-06	9.6E-07	4.4E-07	2.4E-08	2.1E-07	0.0E+00	0.0E+00	0.0E+00	2.4E-07
164	UCART1	411119.2	3774293.13	411119.21, 3774293.13	0.17714	0.33821	0.13381	0.18217	1.47E-03	1.07E-05	5.09E-06	9.78E-06	1.50E-03	5.2E-07	1.6E-06	9.1E-07	8.2E-07	3.7E-07	2.0E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
165	UCART1	411164.2	3774293.13	411164.21, 3774293.13	0.15362	0.26947	0.11908	0.16504	1.28E-03	8.51E-06	4.53E-06	8.86E-06	1.30E-03	4.5E-07	1.4E-06	7.8E-07	7.1E-07	3.2E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
166	UCART1	411209.2	3774293.13	411209.21, 3774293.13	0.13503	0.221	0.10689	0.14809	1.12E-03	6.98E-06	4.06E-06	7.95E-06	1.14E-03	3.9E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.6E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
167	UCART1	411254.2	3774293.13	411254.21, 3774293.13	0.11934	0.1844	0.09618	0.13224	9.91E-04	5.82E-06	3.66E-06	7.10E-06	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.4E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
168	UCART1	411299.2	3774293.13	411299.21, 3774293.13	0.10656	0.15701	0.08721	0.11808	8.85E-04	4.96E-06	3.32E-06	6.34E-06	8.99E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.3E-07	1.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.2E-07
169	UCART1	410264.2	3774338.13	410264.21, 3774338.13	0.21076	1.24527	0.19215	0.07191	1.75E-03	3.93E-05	7.31E-06	3.86E-06	1.80E-03	6.2E-07	1.9E-06	1.1E-06	9.9E-07	4.5E-07	2.4E-08	2.2E-07	0.0E+00	0.0E+00	0.0E+00	2.5E-07
170	UCART1	410309.2	3774338.13	410309.21, 3774338.13	0.26256	2.10299	0.23733	0.07949	2.18E-03	6.64E-05	9.02E-06	4.27E-06	2.26E-03	7.8E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	3.1E-08	2.8E-07	0.0E+00	0.0E+00	0.0E+00	3.1E-07
171	UCART1	410354.2	3774338.13	410354.21, 3774338.13	0.3344	2.73552	0.29906	0.08816	2.78E-03	8.64E-05	1.14E-05	4.73E-06	2.88E-03	1.0E-06	3.0E-06	1.7E-06	1.6E-06	7.2E-07	3.9E-08	3.5E-07	0.0E+00	0.0E+00	0.0E+00	3.9E-07
172	UCART1	410399.2	3774338.13	410399.21, 3774338.13	0.43595	3.02139	0.38456	0.09806	3.62E-03	9.54E-05	1.46E-05	5.27E-06	3.73E-03	1.3E-06	3.9E-06	2.3E-06	2.0E-06	9.3E-07	5.1E-08	4.6E-07	0.0E+00	0.0E+00	0.0E+00	5.1E-07
173	UCART1	410444.2	3774338.13	410444.21, 3774338.13	0.58178	3.14053	0.50373	0.10928	4.83E-03	9.91E-05	1.92E-05	5.87E-06	4.95E-03	1.7E-06	5.2E-06	3.0E-06	2.7E-06	1.2E-06	6.7E-08	6.1E-07	0.0E+00	0.0E+00	0.0E+00	6.8E-07
174	UCART1	410489.2	3774338.13	410489.21, 3774338.13	0.79191	3.1834	0.66606	0.12192	6.57E-03	1.00E-04	2.53E-05	6.55E-06	6.71E-03	2.3E-06	7.0E-06	4.1E-06	3.7E-06	1.7E-06	9.1E-08	8.3E-07	0.0E+00	0.0E+00	0.0E+00	9.2E-07
175	UCART1	410534.2	3774338.13	410534.21, 3774338.13	1.08497	3.18668	0.86322	0.13605	9.01E-03	1.01E-04	3.28E-05	7.31E-06	9.15E-03	3.2E-06	9.6E-06	5.5E-06	5.0E-06	2.3E-06	1.2E-07	1.1E-06	0.0E+00	0.0E+00	0.0E+00	1.3E-06
176	UCART1	410579.2	3774338.13	410579.21, 3774338.13	1.44427	3.1631	1.01374	0.15166	1.20E-02	9.98E-05	3.85E-05	8.14E-06	1.21E-02	4.2E-06	1.3E-05	7.3E-06	6.7E-06	3.0E-06	1.7E-07	1.5E-06	0.0E+00	0.0E+00	0.0E+00	1.7E-06
177	UCART1	410624.2	3774338.13	410624.21, 3774338.13	1.74672	3.12187	0.9835	0.16873	1.45E-02	9.85E-05	3.74E-05	9.06E-06	1.46E-02	5.1E-06	1.5E-05	8.9E-06	8.0E-06	3.7E-06	2.0E-07	1.8E-06	0.0E+00	0.0E+00	0.0E+00	2.0E-06
178	UCART1	410669.2	3774338.13	410669.21, 3774338.13	1.7972	3.06824	0.82574	0.18715	1.49E-02	9.69E-05	3.14E-05	1.00E-05	1.51E-02	5.2E-06	1.6E-05	9.1E-06	8.3E-06	3.8E-06	2.0E-07	1.9E-06	0.0E+00	0.0E+00	0.0E+00	2.1E-06
179	UCART1	410714.2	3774338.13	410714.21, 3774338.13	1.5682	2.99971	0.67019	0.20666	1.30E-02	9.47E-05	2.55E-05	1.11E-05	1.31E-02	4.6E-06	1.4E-05	8.0E-06	7.2E-06	3.3E-06	1.8E-07	1.6E-06	0.0E+00	0.0E+00	0.0E+00	1.8E-06
180	UCART1	410759.2	3774338.13	410759.21, 3774338.13	1.23229	2.91178	0.54835	0.22676	1.02E-02	9.19E-05	2.08E-05	1.22E-05	1.04E-02	3.6E-06	1.1E-05	6.3E-06	5.7E-06	2.6E-06	1.4E-07	1.3E-06	0.0E+00	0.0E+00	0.0E+00	1.4E-06
181	UCART1	410804.2	3774338.13	410804.21, 3774338.13	0.93462	2.78379	0.45304	0.24651	7.76E-03	8.79E-05	1.72E-05	1.32E-05	7.88E-03	2.7E-06	8.2E-06	4.8E-06	4.3E-06	2.0E-06	1.1E-07	9.7E-07	0.0E+00	0.0E+00	0.0E+00	1.1E-06
182	UCART1	410849.2	3774338.13	410849.21, 3774338.13	0.71151	2.61114	0.37895	0.26475	5.91E-03	8.24E-05	1.44E-05	1.42E-05	6.02E-03	2.1E-06	6.3E-06	3.6E-06	3.3E-06	1.5E-06	8.2E-08	7.4E-07	0.0E+00	0.0E+00	0.0E+00	8.2E-07
183	UCART1	410894.2	3774338.13	410894.21, 3774338.13	0.55268	2.34281	0.32016	0.27943	4.59E-03	7.40E-05	1.22E-05	1.50E-05	4.69E-03	1.6E-06	4.9E-06	2.8E-06	2.6E-06	1.2E-06	6.4E-08	5.8E-07	0.0E+00	0.0E+00	0.0E+00	6.4E-07
184	UCART1	410939.2	3774338.13	410939.21, 3774338.13	0.43735	1.89413	0.2724	0.28792	3.63E-03	5.98E-05	1.04E-05	1.55E-05	3.72E-03	1.3E-06	3.9E-06	2.2E-06	2.0E-06	9.3E-07	5.1E-08	4.6E-07	0.0E+00	0.0E+00	0.0E+00	5.1E-07
185	UCART1	410984.2	3774338.13	410984.21, 3774338.13	0.3552	1.31244	0.23442	0.28782	2.95E-03	4.14E-05	8.91E-06	1.55E-05	3.01E-03	1.0E-06	3.2E-06	1.8E-06	1.7E-06	7.5E-07	4.1E-08	3.7E-07	0.0E+00	0.0E+00	0.0E+00	4.1E-07
186	UCART1	411029.2	3774338.13	411029.21, 3774338.13	0.29114	0.85016	0.20205	0.27746	2.42E-03	2.68E-05	7.68E-06	1.49E-05	2.47E-03	8.5E-07	2.6E-06	1.5E-06	1.4E-06	6.2E-07	3.4E-08	3.0E-07	0.0E+00	0.0E+00	0.0E+00	3.4E-07
187	UCART1	411074.2	3774338.13	411074.21, 3774338.13	0.24306	0.58175	0.17559	0.25814	2.02E-03	1.84E-05	6.68E-06	1.39E-05	2.06E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.8E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
188	UCART1	411119.2	3774338.13	411119.21, 3774338.13	0.20587	0.42475	0.1537	0.23308	1.71E-03	1.34E-05	5.84E-06	1.25E-05	1.74E-03	6.0E-07	1.8E-06	1.1E-06	9.5E-07	4.4E-07	2.4E-08	2.1E-07	0.0E+00	0.0E+00	0.0E+00	2.4E-07
189	UCART1	411164.2	3774338.13	411164.21, 3774338.13	0.1766	0.32577	0.13543	0.2062	1.47E-03	1.03E-05	5.15E-06	1.11E-05	1.49E-03	5.2E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	2.0E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
190	UCART1	411209.2	3774338.13	411209.21, 3774338.13	0.15342	0.25967	0.12031	0.18057	1.27E-03	8.20E-06	4.57E-06	9.70E-06	1.30E-03	4.5E-07	1.4E-06	7.8E-07	7.1E-07	3.2E-07	1.8E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
191	UCART1	411254.2	3774338.13	411254.21, 3774338.13	0.13447	0.21262	0.10746	0.15774	1.12E-03	6.71E-06	4.09E-06	8.47E-06	1.14E-03	3.9E-07	1.2E-06	6.9E-07	6.2E-07	2.8E-07	1.5E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
192	UCART1	411299.2	3774338.13	411299.21, 3774338.13	0.11911	0.17819	0.09675	0.13825	9.89E-04	5.62E-06	3.68E-06	7.42E-06	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.4E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
193	UCART1	410264.2	3774383.13	410264.21, 3774383.13	0.22801	2.38967	0.21197	0.07654	1.89E-03	7.54E-05	8.06E-06	4.11E-06	1.98E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.7E-08	2.4E-07	0.0E+00	0.0E+00	0.0E+00	2.7E-07
194	UCART1	410309.2	3774383.13	410309.21, 3774383.13	0.28918	9.25743	0.26788	0.08525	2.40E-03	2.92E-04	1.02E-05	4.58E-06	2.71E-03	9.4E-07	2.8E-06	1.6E-06	1.5E-06	6.8E-07	3.7E-08	3.3E-07	0.0E+00	0.0E+00	0.0E+00	3.7E-07
195	UCART1	410354.2	3774383.13	410354.21, 3774383.13	0.3775	11.5413	0.3485	0.09538	3.13E-03	3.64E-04	1.32E-05	5.12E-06	3.52E-03	1.2E-06	3.7E-06	2.1E-06	1.9E-06	8.8E-07	4.8E-08	4.3E-07	0.0E+00	0.0E+00	0.0E+00	4.8E-07
196	UCART1	410399.2	3774383.13	410399.21, 3774383.13	0.50973	11.618	0.46952	0.10713	4.23E-03	3.67E-04	1.79E-05	5.75E-06	4.62E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.2E-06	6.3E-08	5.7E-07	0.0E+00	0.0E+00	0.0E+00	6.3E-07
197	UCART1	410444.2	3774383.13	410444.21, 3774383.13	0.71657	11.3608	0.66019	0.1207	5.95E-03	3.59E-04	2.51E-05	6.48E-06	6.34E-03	2.2E-06	6.6E-06	3.8E-06	3.5E-06	1.6E-06	8.6E-08	7.8E-07	0.0E+00	0.0E+00	0.0E+00	8.7E-07
198	UCART1	410489.2	3774383.13	410489.21, 3774383.13	1.05653	10.99	0.97979	0.13631	8.77E-03	3.47E-04	3.72E-05	7.32E-06	9.16E-03	3.2E-06	9.6E-06	5.5E-06	5.0E-06	2.3E-06	1.2E-07	1.1E-06	0.0E+00	0.0E+00	0.0E+00	1.3E-06
199	UCART1	410534.2	3774383.13	410534.21, 3774383.13	1.64082	10.6036	1.54793	0.15413	1.36E-02	3.35E-04	5.88E-05	8.28E-06	1.40E-02	4.9E-06	1.5E-05	8.5E-06	7.7E-06	3.5E-06	1.9E-07	1.7E-06	0.0E+00	0.0E+00	0.0E+00	1.9E-06
200	UCART1	410579.2	3774383.13	410579.21, 3774383.13	2.64437	10.2215	2.3275	0.17431	2.20E-02	3.23E-04	8.85E-05	9.36E-06	2.24E-02	7.7E-06	2.3E-05	1.4E-05	1.2E-05	5.6E-06	3.0E-07	2.8E-06	0.0E+00	0.0E+00	0.0E+00	3.1E-06
201	UCART1	410624.2	3774383.13	410624.21, 3774383.13	3.86188	9.8478	2.09312	0.19698	3.21E-02	3.11E-04	7.96E-05	1.06E-05	3.25E-02	1.1E-05	3.4E-05	2.0E-05	1.8E-05	8.1E-06	4.4E-07	4.0E-06	0.0E+00	0.0E+00	0.0E+00	4.4E-06
202	UCART1	410669.2	3774383.13	410669.21, 3774383.13	4.09619	9.47236	1.40931	0.22224	3.40E-02	2.99E-04	5.36E-05	1.19E-05	3.44E-02	1.2E-05	3.6E-05	2.1E-05	1.9E-05	8.6E-06	4.7E-07	4.2E-06	0.0E+00	0.0E+00	0.0E+00	4.7E-06
203	UCART1	410714.2	3774383.13	410714.21, 3774383.13	3.17495	9.10259	1.00883	0.25	2.64E-02	2.87E-04	3.84E-05	1.34E-05	2.67E-02	9.2E-06	2.8E-05	1.6E-05	1.5E-05	6.7E-06	3.6E-07	3.3E-06	0.0E+00	0.0E+00	0.0E+00	3.7E-06
204	UCART1	410759.2	3774383.13	410759.21, 3774383.13	2.10163	8.72872	0.77059	0.28002	1.74E-02	2.76E-04	2.93E-05	1.50E-05	1.78E-02	6.2E-06	1.9E-05	1.1E-05	9.7E-06	4.4E-06	2.4E-07	2.2E-06	0.0E+00	0.0E+00	0.0E+00	2.4E-06
205	UCART1	410804.2	3774383.13	410804.21, 3774383.13	1.41512	8.33699	0.61001	0.31149	1.17E-02	2.63E-04	2.32E-05	1.67E-05	1.21E-02	4.2E-06	1.3E-05	7.3E-06	6.6E-06	3.0E-06	1.6E-07	1.5E-06	0.0E+00	0.0E+00	0.0E+00	1.6E-06
206	UCART1	410849.2	3774383.13	410849.21, 3774383.13	0.99278	7.86338	0.49233	0.34286	8.24E-03	2.48E-04	1.87E-05	1.84E-05	8.53E-03	3.0E-06	8.9E-06	5.2E-06	4.7E-06	2.1E-06	1.2E-07	1.1E-06	0.0E+00	0.0E+00	0.0E+00	1.2E-06
207	UCART1	410894.2	3774383.13	410894.21, 3774383.13	0.73139	7.22755	0.40508	0.37142	6.07E-03	2.28E-04	1.54E-05	1.99E-05	6.34E-03	2.2E-06	6.6E-06	3.8E-06	3.5E-06	1.6E-06	8.6E-08	7.8E-07	0.0E+00	0.0E+00	0.0E+00	8.7E-07
208	UCART1	410939.2	3774383.13	410939.21, 3774383.13	0.55585	5.81147	0.33638	0.39215	4.61E-03	1.83E-04	1.28E-05	2.11E-05	4.83E-03	1.7E-06	5.1E-06	2.9E-06	2.7E-06	1.2E-06	6.6E-08	6.0E-07	0.0E+00	0.0E+00	0.0E+00	6.6E-07
209	UCART1	410984.2	3774383.13	410984.21, 3774383.13	0.43805	2.82055	0.28381	0.39898	3.64E-03	8.90E-05	1.08E-05	2.14E-05	3.76E-03	1.3E-06	3.9E-06	2.3E-06	2.1E-06	9.4E-07	5.1E-08	4.6E-07	0.0E+00	0.0E+00	0.0E+00	5.1E-07
210	UCART1	411029.2	3774383.13	411029.21, 3774383.13	0.34948	1.27411	0.23949	0.38576	2.90E-03	4.02E-05	9.10E-06	2.07E-05	2.97E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	4.0E-08	3.7E-07	0.0E+00	0.0E+00	0.0E+00	4.1E-07
211	UCART1	411074.2	3774383.13	411074.21, 3774383.13	0.28676	0.75685	0.20519	0.35373	2.38E-03	2.39E-05	7.80E-06	1.90E-05	2.43E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	3.3E-08	3.0E-07	0.0E+00	0.0E+00	0.0E+00	3.3E-07
212	UCART1	411119.2	3774383.13	411119.21, 3774383.13	0.23944	0.51836	0.17737	0.31026	1.99E-03	1.64E-05	6.74E-06	1.67E-05	2.03E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.8E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
213	UCART1	411164.2	3774383.13	411164.21, 3774383.13	0.20268	0.38355	0.1544	0.26509	1.68E-03	1.21E-05	5.87E-06	1.42E-05	1.71E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	2.3E-08	2.1E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
214	UCART1	411209.2	3774383.13	411209.21, 3774383.13	0.17399	0.29812	0.13567	0.22466	1.44E-03	9.41E-06	5.16E-06	1.21E-05	1.47E-03	5.1E-07	1.5E-06	8.9E-07	8.1E-07	3.7E-07	2.0E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
215	UCART1	411254.2	3774383.13	411254.21, 3774383.13	0.15123	0.24018	0.1203	0.19102	1.26E-03	7.58E-06	4.57E-06	1.03E-05	1.28E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.7E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
216	UCART1	411299.2	3774383.13	411299.21, 3774383.13	0.13282	0.19871	0.10751	0.16381	1.10E-03	6.27E-06	4.09E-06	8.80E-06	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.5E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
217	UCART1	410264.2	3774428.13	410264.21, 3774428.13	0.24249	2.42017	0.23027	0.08137	2.01E-03	7.64E-05	8.75E-06	4.37E-06	2.10E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.9E-08	2.6E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
218	UCART1	410309.2	3774428.13	410309.21, 3774428.13	0.31206	9.65591	0.29684	0.09135	2.59E-03	3.05E-04	1.13E-05	4.91E-06	2.91E-03	1.0E-06	3.0E-06	1.8E-06	1.6E-06	7.3E-07	4.0E-08	3.6E-07	0.0E+00	0.0E+00	0.0E+00	4.0E-07
219	UCART1	410354.2	3774428.13	410354.21, 3774428.13	0.41573	13.2871	0.39719	0.10314	3.45E-03	4.19E-04	1.51E-05	5.54E-06	3.89E-03	1.3E-06	4.1E-06	2.4E-06	2.1E-06	9.7E-07	5.3E-08	4.8E-07	0.0E+00	0.0E+00	0.0E+00	5.3E-07
220	UCART1	410399.2	3774428.13	410399.21, 3774428.13	0.57852	14.7705	0.55829	0.11706	4.80E-03	4.66E-04	2.12E-05	6.29E-06	5.30E-03	1.8E-06	5.5E-06	3.2E-06	2.9E-06	1.3E-06	7.2E-08	6.5E-07	0.0E+00	0.0E+00	0.0E+00	7.2E-07
221	UCART1	410444.2	3774428.13	410444.21, 3774428.13	0.85254	15.8966	0.84006	0.13346	7.08E-03	5.02E-04	3.19E-05	7.17E-06	7.62E-03	2.6E-06	8.0E-06	4.6E-06	4.2E-06	1.9E-06	1.0E-07	9.4E-07	0.0E+00	0.0E+00	0.0E+00	1.0E-06
222	UCART1	410489.2	3774428.13	410489.21, 3774428.13	1.35872	16.9864	1.40874	0.15271	1.13E-02	5.36E-04	5.36E-05	8.20E-06	1.19E-02	4.1E-06	1.2E-05	7.2E-06	6.5E-06	3.0E-06	1.6E-07	1.5E-06	0.0E+00	0.0E+00	0.0E+00	1.6E-06
223	UCART1	410534.2	3774428.13	410534.21, 3774428.13	2.45059	18.1015	2.97191	0.17521	2.03E-02	5.71E-04	1.13E-04	9.41E-06	2.10E-02	7.3E-06	2.2E-05	1.3E-05	1.2E-05	5.3E-06	2.9E-07	2.6E-06	0.0E+00	0.0E+00	0.0E+00	2.9E-06
224	UCART1	410579.2	3774428.13	410579.21, 3774428.13	5.63482	19.309	13.4489	0.20136	4.68E-02	6.10E-04	5.11E-04	1.08E-05	4.79E-02	1.7E-05	5.0E-05	2.9E-05	2.6E-05	1.2E-05	6.5E-07	5.9E-06	0.0E+00	0.0E+00	0.0E+00	6.6E-06
225	UCART1	410264.2	3774473.13	410264.21, 3774473.13	0.2528	1.2848	0.24549	0.08634	2.10E-03	4.06E-05	9.33E-06	4.64E-06	2.15E-03	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	2.9E-08	2.7E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
226	UCART1	410309.2	3774473.13	410309.21, 3774473.13	0.32847	2.22258	0.32114	0.09774	2.73E-03	7.02E-05	1.22E-05	5.25E-06	2.81E-03	9.7E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	3.8E-08	3.5E-07	0.0E+00	0.0E+00	0.0E+00	3.8E-07
227	UCART1	410354.2	3774473.13	410354.21, 3774473.13	0.4434	3.04119	0.43858	0.11141	3.68E-03	9.60E-05	1.67E-05	5.98E-06	3.80E-03	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.5E-07	5.2E-08	4.7E-07	0.0E+00	0.0E+00	0.0E+00	5.2E-07
228	UCART1	410399.2	3774473.13	410399.21, 3774473.13	0.62928	3.54459	0.63548	0.12784	5.22E-03	1.12E-04	2.42E-05	6.86E-06	5.37E-03	1.9E-06	5.6E-06	3.2E-06	2.9E-06	1.3E-06	7.3E-08	6.6E-07	0.0E+00	0.0E+00	0.0E+00	7.3E-07
229	UCART1	410444.2	3774473.13	410444.21, 3774473.13	0.95636	3.86626	1.0019	0.1476	7.94E-03	1.22E-04	3.81E-05	7.93E-06	8.11E-03	2.8E-06	8.5E-06	4.9E-06	4.4E-06	2.0E-06	1.1E-07	1.0E-06	0.0E+00	0.0E+00	0.0E+00	1.1E-06
230	UCART1	410489.2	3774473.13	410489.21, 3774473.13	1.60723	4.09605	1.81483	0.17133	1.33E-02	1.29E-04	6.90E-05	9.20E-06	1.35E-02	4.7E-06	1.4E-05	8.2E-06	7.4E-06	3.4E-06	1.8E-07	1.7E-06	0.0E+00	0.0E+00	0.0E+00	1.9E-06
231	UCART1	410534.2	3774473.13	410534.21, 3774473.13	3.21252	4.2789	4.3866	0.19976	2.67E-02	1.35E-04	1.67E-04	1.07E-05	2.70E-02	9.3E-06	2.8E-05	1.6E-05	1.5E-05	6.8E-06	3.7E-07	3.3E-06	0.0E+00	0.0E+00	0.0E+00	3.7E-06
232	UCART1	410579.2	3774473.13	410579.21, 3774473.13	9.81691	4.43878	25.7712	0.23367	8.15E-02	1.40E-04	9.80E-04	1.25E-05	8.26E-02	2.9E-05	8.6E-05	5.0E-05	4.5E-05	2.1E-05	1.1E-06	1.0E-05	0.0E+00	0.0E+00	0.0E+00	1.1E-05
233	UCART1	410264.2	3774518.13	410264.21, 3774518.13	0.25725	0.77731	0.25561	0.09138	2.14E-03	2.45E-05	9.72E-06	4.91E-06	2.17E-03	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	3.0E-08	2.7E-07	0.0E+00	0.0E+00	0.0E+00	3.0E-07
234	UCART1	410309.2	3774518.13	410309.21, 3774518.13	0.33509	1.07979	0.33673	0.10429	2.78E-03	3.41E-05	1.28E-05	5.60E-06	2.83E-03	9.8E-07	3.0E-06	1.7E-06	1.6E-06	7.1E-07	3.9E-08	3.5E-07	0.0E+00	0.0E+00	0.0E+00	3.9E-07
235	UCART1	410354.2	3774518.13	410354.21, 3774518.13	0.45424	1.38986	0.46461	0.12005	3.77E-03	4.39E-05	1.77E-05	6.45E-06	3.84E-03	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.6E-07	5.2E-08	4.7E-07	0.0E+00	0.0E+00	0.0E+00	5.3E-07
236	UCART1	410399.2	3774518.13	410399.21, 3774518.13	0.64815	1.64146	0.68251	0.13936	5.38E-03	5.18E-05	2.59E-05	7.48E-06	5.47E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	7.4E-08	6.7E-07	0.0E+00	0.0E+00	0.0E+00	7.5E-07
237	UCART1	410444.2	3774518.13	410444.21, 3774518.13	0.99208	1.81781	1.09574	0.16307	8.24E-03	5.74E-05	4.17E-05	8.76E-06	8.34E-03	2.9E-06	8.7E-06	5.0E-06	4.6E-06	2.1E-06	1.1E-07	1.0E-06	0.0E+00	0.0E+00	0.0E+00	1.1E-06
238	UCART1	410489.2	3774518.13	410489.21, 3774518.13	1.68915	1.97102	2.03266	0.19231	1.40E-02	6.22E-05	7.73E-05	1.03E-05	1.42E-02	4.9E-06	1.5E-05	8.6E-06	7.8E-06	3.5E-06	1.9E-07	1.7E-06	0.0E+00	0.0E+00	0.0E+00	1.9E-06
239	UCART1	410534.2	3774518.13	410534.21, 3774518.13	3.42266	2.06496	4.91198	0.22817	2.84E-02	6.52E-05	1.87E-04	1.23E-05	2.87E-02	9.9E-06	3.0E-05	1.7E-05	1.6E-05	7.2E-06	3.9E-07	3.5E-06	0.0E+00	0.0E+00	0.0E+00	3.9E-06
240	UCART1	410579.2	3774518.13	410579.21, 3774518.13	10.0893	2.15044	25.3797	0.27227	8.38E-02	6.79E-05	9.65E-04	1.46E-05	8.48E-02	2.9E-05	8.9E-05	5.1E-05	4.7E-05	2.1E-05	1.2E-06	1.0E-05	0.0E+00	0.0E+00	0.0E+00	1.2E-05
241	UCART1	410264.2	3774563.13	410264.21, 3774563.13	0.25527	0.52902	0.25954	0.09636	2.12E-03	1.67E-05	9.87E-06	5.17E-06	2.15E-03	7.4E-07	2.2E-06	1.3E-06	1.2E-06	5.4E-07	2.9E-08	2.6E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
242	UCART1	410309.2	3774563.13	410309.21, 3774563.13	0.33138	0.67481	0.34206	0.1109	2.75E-03	2.13E-05	1.30E-05	5.95E-06	2.79E-03	9.7E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	3.8E-08	3.4E-07	0.0E+00	0.0E+00	0.0E+00	3.8E-07
243	UCART1	410354.2	3774563.13	410354.21, 3774563.13	0.44636	0.81967	0.47123	0.12894	3.71E-03	2.59E-05	1.79E-05	6.92E-06	3.76E-03	1.3E-06	3.9E-06	2.3E-06	2.1E-06	9.4E-07	5.1E-08	4.6E-07	0.0E+00	0.0E+00	0.0E+00	5.1E-07
244	UCART1	410399.2	3774563.13	410399.21, 3774563.13	0.63083	0.95475	0.68992	0.1515	5.24E-03	3.01E-05	2.62E-05	8.13E-06	5.30E-03	1.8E-06	5.5E-06	3.2E-06	2.9E-06	1.3E-06	7.2E-08	6.5E-07	0.0E+00	0.0E+00	0.0E+00	7.3E-07
245	UCART1	410444.2	3774563.13	410444.21, 3774563.13	0.95068	1.06761	1.1006	0.17988	7.89E-03	3.37E-05	4.18E-05	9.66E-06	7.98E-03	2.8E-06	8.3E-06	4.8E-06	4.4E-06	2.0E-06	1.1E-07	9.8E-07	0.0E+00	0.0E+00	0.0E+00	1.1E-06
246	UCART1	410489.2	3774563.13	410489.21, 3774563.13	1.57059	1.15939	2.01149	0.21573	1.30E-02	3.66E-05	7.65E-05	1.16E-05	1.32E-02	4.6E-06	1.4E-05	8.0E-06	7.2E-06	3.3E-06	1.8E-07	1.6E-06	0.0E+00	0.0E+00	0.0E+00	1.8E-06
247	UCART1	410534.2	3774563.13	410534.21, 3774563.13	3.0145	1.23159	4.77988	0.26109	2.50E-02	3.89E-05	1.82E-04	1.40E-05	2.53E-02	8.7E-06	2.6E-05	1.5E-05	1.4E-05	6.3E-06	3.4E-07	3.1E-06	0.0E+00	0.0E+00	0.0E+00	3.5E-06

CONSTRUCTION RISK (UNMITIGATED)

248	UCART1	410579.2	3774563.13	410579.21, 3774563.13	7.94337	1.28616	24.025	0.31853	6.59E-02	4.06E-05	9.13E-04	1.71E-05	6.69E-02	2.3E-05	7.0E-05	4.0E-05	3.7E-05	1.7E-05	9.1E-07	8.2E-06	0.0E+00	0.0E+00	0.0E+00	9.2E-06
249	UCART1	410264.2	3774608.13	410264.21, 3774608.13	0.24712	0.38915	0.25693	0.10116	2.05E-03	1.23E-05	9.77E-06	5.43E-06	2.08E-03	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.8E-08	2.6E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
250	UCART1	410309.2	3774608.13	410309.21, 3774608.13	0.31751	0.47181	0.33622	0.11738	2.64E-03	1.49E-05	1.28E-05	6.30E-06	2.67E-03	9.2E-07	2.8E-06	1.6E-06	1.5E-06	6.7E-07	3.6E-08	3.3E-07	0.0E+00	0.0E+00	0.0E+00	3.7E-07
251	UCART1	410354.2	3774608.13	410354.21, 3774608.13	0.42116	0.55161	0.45777	0.13784	3.50E-03	1.74E-05	1.74E-05	7.40E-06	3.54E-03	1.2E-06	3.7E-06	2.1E-06	1.9E-06	8.9E-07	4.8E-08	4.4E-07	0.0E+00	0.0E+00	0.0E+00	4.8E-07
252	UCART1	410399.2	3774608.13	410399.21, 3774608.13	0.58157	0.62769	0.65728	0.16396	4.83E-03	1.98E-05	2.50E-05	8.80E-06	4.88E-03	1.7E-06	5.1E-06	3.0E-06	2.7E-06	1.2E-06	6.6E-08	6.0E-07	0.0E+00	0.0E+00	0.0E+00	6.7E-07
253	UCART1	410444.2	3774608.13	410444.21, 3774608.13	0.84478	0.69498	1.01489	0.19762	7.01E-03	2.19E-05	3.86E-05	1.06E-05	7.08E-03	2.5E-06	7.4E-06	4.3E-06	3.9E-06	1.8E-06	9.6E-08	8.7E-07	0.0E+00	0.0E+00	0.0E+00	9.7E-07
254	UCART1	410489.2	3774608.13	410489.21, 3774608.13	1.31338	0.75639	1.75655	0.24142	1.09E-02	2.39E-05	6.68E-05	1.30E-05	1.10E-02	3.8E-06	1.2E-05	6.7E-06	6.0E-06	2.8E-06	1.5E-07	1.4E-06	0.0E+00	0.0E+00	0.0E+00	1.5E-06
255	UCART1	410534.2	3774608.13	410534.21, 3774608.13	2.23351	0.80432	3.751	0.29861	1.85E-02	2.54E-05	1.43E-04	1.60E-05	1.87E-02	6.5E-06	2.0E-05	1.1E-05	1.0E-05	4.7E-06	2.5E-07	2.3E-06	0.0E+00	0.0E+00	0.0E+00	2.6E-06
256	UCART1	410579.2	3774608.13	410579.21, 3774608.13	4.40229	0.84737	14.3105	0.37379	3.65E-02	2.67E-05	5.44E-04	2.01E-05	3.71E-02	1.3E-05	3.9E-05	2.2E-05	2.0E-05	9.3E-06	5.1E-07	4.6E-06	0.0E+00	0.0E+00	0.0E+00	5.1E-06
257	UCART1	410624.2	3774608.13	410624.21, 3774608.13	9.66153	0.87963	19.1934	0.47276	8.02E-02	2.78E-05	7.30E-04	2.54E-05	8.10E-02	2.8E-05	8.5E-05	4.9E-05	4.4E-05	2.0E-05	1.1E-06	1.0E-05	0.0E+00	0.0E+00	0.0E+00	1.1E-05
258	UCART1	410759.2	3774608.13	410759.21, 3774608.13	7.62891	0.90079	6.13188	1.02788	6.33E-02	2.84E-05	2.33E-04	5.52E-05	6.36E-02	2.2E-05	6.7E-05	3.9E-05	3.5E-05	1.6E-05	8.7E-07	7.8E-06	0.0E+00	0.0E+00	0.0E+00	8.7E-06
259	UCART1	410804.2	3774608.13	410804.21, 3774608.13	3.73419	0.87835	3.43579	1.39144	3.10E-02	2.77E-05	1.31E-04	7.47E-05	3.12E-02	1.1E-05	3.3E-05	1.9E-05	1.7E-05	7.8E-06	4.2E-07	3.8E-06	0.0E+00	0.0E+00	0.0E+00	4.3E-06
260	UCART1	410354.2	3774653.13	410354.21, 3774653.13	0.38359	0.40109	0.42788	0.1464	3.18E-03	1.27E-05	1.63E-05	7.86E-06	3.22E-03	1.1E-06	3.4E-06	1.9E-06	1.8E-06	8.1E-07	4.4E-08	4.0E-07	0.0E+00	0.0E+00	0.0E+00	4.4E-07
261	UCART1	410399.2	3774653.13	410399.21, 3774653.13	0.51348	0.45095	0.59635	0.17636	4.26E-03	1.42E-05	2.27E-05	9.47E-06	4.31E-03	1.5E-06	4.5E-06	2.6E-06	2.4E-06	1.1E-06	5.9E-08	5.3E-07	0.0E+00	0.0E+00	0.0E+00	5.9E-07
262	UCART1	410444.2	3774653.13	410444.21, 3774653.13	0.71179	0.4952	0.87724	0.21598	5.91E-03	1.56E-05	3.34E-05	1.16E-05	5.97E-03	2.1E-06	6.2E-06	3.6E-06	3.3E-06	1.5E-06	8.1E-08	7.4E-07	0.0E+00	0.0E+00	0.0E+00	8.2E-07
263	UCART1	410489.2	3774653.13	410489.21, 3774653.13	1.02736	0.53503	1.38774	0.26914	8.53E-03	1.69E-05	5.28E-05	1.45E-05	8.61E-03	3.0E-06	9.0E-06	5.2E-06	4.7E-06	2.2E-06	1.2E-07	1.1E-06	0.0E+00	0.0E+00	0.0E+00	1.2E-06
264	UCART1	410534.2	3774653.13	410534.21, 3774653.13	1.54744	0.5713	2.42992	0.34134	1.28E-02	1.80E-05	9.24E-05	1.83E-05	1.30E-02	4.5E-06	1.4E-05	7.9E-06	7.1E-06	3.2E-06	1.8E-07	1.6E-06	0.0E+00	0.0E+00	0.0E+00	1.8E-06
265	UCART1	410579.2	3774653.13	410579.21, 3774653.13	2.39863	0.59976	4.66542	0.44001	1.99E-02	1.89E-05	1.77E-04	2.36E-05	2.01E-02	7.0E-06	2.1E-05	1.2E-05	1.1E-05	5.0E-06	2.7E-07	2.5E-06	0.0E+00	0.0E+00	0.0E+00	2.8E-06
266	UCART1	410624.2	3774653.13	410624.21, 3774653.13	3.61145	0.61979	8.11905	0.57572	3.00E-02	1.96E-05	3.09E-04	3.09E-05	3.03E-02	1.1E-05	3.2E-05	1.8E-05	1.7E-05	7.6E-06	4.1E-07	3.7E-06	0.0E+00	0.0E+00	0.0E+00	4.1E-06
267	UCART1	410669.2	3774653.13	410669.21, 3774653.13	4.78357	0.63152	13.4109	0.76447	3.97E-02	1.99E-05	5.10E-04	4.10E-05	4.03E-02	1.4E-05	4.2E-05	2.4E-05	2.2E-05	1.0E-05	5.5E-07	5.0E-06	0.0E+00	0.0E+00	0.0E+00	5.5E-06
268	UCART1	410714.2	3774653.13	410714.21, 3774653.13	4.88004	0.63929	19.5272	1.03361	4.05E-02	2.02E-05	7.42E-04	5.55E-05	4.13E-02	1.4E-05	4.3E-05	2.5E-05	2.3E-05	1.0E-05	5.6E-07	5.1E-06	0.0E+00	0.0E+00	0.0E+00	5.7E-06
269	UCART1	410759.2	3774653.13	410759.21, 3774653.13	3.61297	0.63537	15.7253	1.43365	3.00E-02	2.01E-05	5.98E-04	7.70E-05	3.07E-02	1.1E-05	3.2E-05	1.9E-05	1.7E-05	7.7E-06	4.2E-07	3.8E-06	0.0E+00	0.0E+00	0.0E+00	4.2E-06
270	UCART1	410804.2	3774653.13	410804.21, 3774653.13	2.47416	0.62173	6.11724	2.08142	2.05E-02	1.96E-05	2.33E-04	1.12E-04	2.09E-02	7.2E-06	2.2E-05	1.3E-05	1.1E-05	5.2E-06	2.8E-07	2.6E-06	0.0E+00	0.0E+00	0.0E+00	2.9E-06
271	UCART1	410354.2	3774698.13	410354.21, 3774698.13	0.3399	0.30673	0.3878	0.15419	2.82E-03	9.68E-06	1.47E-05	8.28E-06	2.85E-03	9.9E-07	3.0E-06	1.7E-06	1.6E-06	7.1E-07	3.9E-08	3.5E-07	0.0E+00	0.0E+00	0.0E+00	3.9E-07
272	UCART1	410399.2	3774698.13	410399.21, 3774698.13	0.43887	0.33832	0.52086	0.18795	3.64E-03	1.07E-05	1.98E-05	1.01E-05	3.68E-03	1.3E-06	3.9E-06	2.2E-06	2.0E-06	9.2E-07	5.0E-08	4.5E-07	0.0E+00	0.0E+00	0.0E+00	5.0E-07
273	UCART1	410444.2	3774698.13	410444.21, 3774698.13	0.57895	0.36836	0.72506	0.23389	4.81E-03	1.16E-05	2.76E-05	1.26E-05	4.86E-03	1.7E-06	5.1E-06	2.9E-06	2.7E-06	1.2E-06	6.6E-08	6.0E-07	0.0E+00	0.0E+00	0.0E+00	6.6E-07
274	UCART1	410489.2	3774698.13	410489.21, 3774698.13	0.77888	0.39646	1.04973	0.29775	6.47E-03	1.25E-05	3.99E-05	1.60E-05	6.53E-03	2.3E-06	6.8E-06	4.0E-06	3.6E-06	1.6E-06	8.9E-08	8.0E-07	0.0E+00	0.0E+00	0.0E+00	8.9E-07
275	UCART1	410534.2	3774698.13	410534.21, 3774698.13	1.05974	0.42109	1.57236	0.38818	8.80E-03	1.33E-05	5.98E-05	2.08E-05	8.89E-03	3.1E-06	9.3E-06	5.4E-06	4.9E-06	2.2E-06	1.2E-07	1.1E-06	0.0E+00	0.0E+00	0.0E+00	1.2E-06
276	UCART1	410579.2	3774698.13	410579.21, 3774698.13	1.42895	0.44206	2.37301	0.51843	1.19E-02	1.40E-05	9.02E-05	2.78E-05	1.20E-02	4.2E-06	1.3E-05	7.3E-06	6.6E-06	3.0E-06	1.6E-07	1.5E-06	0.0E+00	0.0E+00	0.0E+00	1.6E-06
277	UCART1	410624.2	3774698.13	410624.21, 3774698.13	1.83679	0.45753	3.49057	0.70847	1.52E-02	1.44E-05	1.33E-04	3.80E-05	1.54E-02	5.3E-06	1.6E-05	9.3E-06	8.5E-06	3.9E-06	2.1E-07	1.9E-06	0.0E+00	0.0E+00	0.0E+00	2.1E-06
278	UCART1	410669.2	3774698.13	410669.21, 3774698.13	2.14382	0.46687	5.3681	0.98931	1.78E-02	1.47E-05	2.04E-04	5.31E-05	1.81E-02	6.3E-06	1.9E-05	1.1E-05	9.9E-06	4.5E-06	2.5E-07	2.2E-06	0.0E+00	0.0E+00	0.0E+00	2.5E-06
279	UCART1	410714.2	3774698.13	410714.21, 3774698.13	2.17378	0.47039	11.0102	1.41655	1.80E-02	1.48E-05	4.19E-04	7.61E-05	1.86E-02	6.4E-06	1.9E-05	1.1E-05	1.0E-05	4.6E-06	2.5E-07	2.3E-06	0.0E+00	0.0E+00	0.0E+00	2.5E-06
280	UCART1	410759.2	3774698.13	410759.21, 3774698.13	1.92322	0.46689	17.5215	2.11215	1.60E-02	1.47E-05	6.66E-04	1.13E-04	1.68E-02	5.8E-06	1.8E-05	1.0E-05	9.2E-06	4.2E-06	2.3E-07	2.1E-06	0.0E+00	0.0E+00	0.0E+00	2.3E-06
281	UCART1	410804.2	3774698.13	410804.21, 3774698.13	1.57554	0.45774	15.5432	3.41526	1.31E-02	1.44E-05	5.91E-04	1.83E-04	1.39E-02	4.8E-06	1.4E-05	8.4E-06	7.6E-06	3.5E-06	1.9E-07	1.7E-06	0.0E+00	0.0E+00	0.0E+00	1.9E-06
282	UCART1	410444.2	3774743.13	410444.21, 3774743.13	0.46395	0.28507	0.5893	0.25012	3.85E-03	9.00E-06	2.24E-05	1.34E-05	3.90E-03	1.3E-06	4.1E-06	2.4E-06	2.1E-06	9.8E-07	5.3E-08	4.8E-07	0.0E+00	0.0E+00	0.0E+00	5.3E-07
283	UCART1	410489.2	3774743.13	410489.21, 3774743.13	0.58827	0.30475	0.79571	0.32537	4.88E-03	9.62E-06	3.03E-05	1.75E-05	4.94E-03	1.7E-06	5.2E-06	3.0E-06	2.7E-06	1.2E-06	6.7E-08	6.1E-07	0.0E+00	0.0E+00	0.0E+00	6.8E-07
284	UCART1	410534.2	3774743.13	410534.21, 3774743.13	0.74324	0.32223	1.08729	0.43746	6.17E-03	1.02E-05	4.13E-05	2.35E-05	6.24E-03	2.2E-06	6.5E-06	3.8E-06	3.4E-06	1.6E-06	8.5E-08	7.7E-07	0.0E+00	0.0E+00	0.0E+00	8.5E-07
285	UCART1	410579.2	3774743.13	410579.21, 3774743.13	0.92004	0.33698	1.48578	0.60987	7.64E-03	1.06E-05	5.65E-05	3.27E-05	7.74E-03	2.7E-06	8.1E-06	4.7E-06	4.2E-06	1.9E-06	1.1E-07	9.5E-07	0.0E+00	0.0E+00	0.0E+00	1.1E-06
286	UCART1	410624.2	3774743.13	410624.21, 3774743.13	1.08987	0.34879	2.03267	0.88197	9.05E-03	1.10E-05	7.73E-05	4.74E-05	9.18E-03	3.2E-06	9.6E-06	5.6E-06	5.0E-06	2.3E-06	1.2E-07	1.1E-06	0.0E+00	0.0E+00	0.0E+00	1.3E-06
287	UCART1	410669.2	3774743.13	410669.21, 3774743.13	1.20497	0.35636	2.89768	1.32065	1.00E-02	1.12E-05	1.10E-04	7.09E-05	1.02E-02	3.5E-06	1.1E-05	6.2E-06	5.6E-06	2.6E-06	1.4E-07	1.3E-06	0.0E+00	0.0E+00	0.0E+00	1.4E-06
288	UCART1	410714.2	3774743.13	410714.21, 3774743.13	1.22638	0.35947	4.67779	2.05899	1.02E-02	1.13E-05	1.78E-04	1.11E-04	1.05E-02	3.6E-06	1.1E-05	6.3E-06	5.7E-06	2.6E-06	1.4E-07	1.3E-06	0.0E+00	0.0E+00	0.0E+00	1.4E-06
289	UCART1	410759.2	3774743.13	410759.21, 3774743.13	1.15404	0.35793	10.0279	3.45095	9.58E-03	1.13E-05	3.81E-04	1.85E-04	1.02E-02	3.5E-06	1.1E-05	6.1E-06	5.6E-06	2.5E-06	1.4E-07	1.3E-06	0.0E+00	0.0E+00	0.0E+00	1.4E-06
290	UCART1	410804.2	3774743.13	410804.21, 3774743.13	1.0264	0.35122	16.195	6.81423	8.52E-03	1.11E-05	6.16E-04	3.66E-04	9.51E-03	3.3E-06	9.9E-06	5.8E-06	5.2E-06	2.4E-06	1.3E-07	1.2E-06	0.0E+00	0.0E+00	0.0E+00	1.3E-06
291	UCART1	410444.2	3774788.13	410444.21, 3774788.13	0.37099	0.22731	0.4781	0.2628	3.08E-03	7.18E-06	1.82E-05	1.41E-05	3.12E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.8E-07	4.2E-08	3.8E-07	0.0E+00	0.0E+00	0.0E+00	4.3E-07
292	UCART1	410489.2	3774788.13	410489.21, 3774788.13	0.44902	0.24142	0.61333	0.34889	3.73E-03	7.62E-06	2.33E-05	1.87E-05	3.78E-03	1.3E-06	3.9E-06	2.3E-06	2.1E-06	9.5E-07	5.1E-08	4.7E-07	0.0E+00	0.0E+00	0.0E+00	5.2E-07
293	UCART1	410534.2	3774788.13	410534.21, 3774788.13	0.538	0.25384	0.79062	0.48453	4.47E-03	8.01E-06	3.01E-05	2.60E-05	4.53E-03	1.6E-06	4.7E-06	2.7E-06	2.5E-06	1.1E-06	6.2E-08	5.6E-07	0.0E+00	0.0E+00	0.0E+00	6.2E-07
294	UCART1	410579.2	3774788.13	410579.21, 3774788.13	0.63089	0.2645	1.02018	0.71095	5.24E-03	8.35E-06	3.88E-05	3.82E-05	5.32E-03	1.8E-06	5.6E-06	3.2E-06	2.9E-06	1.3E-06	7.2E-08	6.6E-07	0.0E+00	0.0E+00	0.0E+00	7.3E-07
295	UCART1	410624.2	3774788.13	410624.21, 3774788.13	0.71333	0.27318	1.32331	1.11071	5.92E-03	8.62E-06	5.03E-05	5.96E-05	6.04E-03	2.1E-06	6.3E-06	3.7E-06	3.3E-06	1.5E-06	8.2E-08	7.4E-07	0.0E+00	0.0E+00	0.0E+00	8.3E-07
296	UCART1	410669.2	3774788.13	410669.21, 3774788.13	0.76754	0.27928	1.758	1.85275	6.37E-03	8.82E-06	6.68E-05	9.95E-05	6.55E-03	2.3E-06	6.8E-06	4.0E-06	3.6E-06	1.6E-06	8.9E-08	8.1E-07	0.0E+00	0.0E+00	0.0E+00	9.0E-07
297	UCART1	410714.2	3774788.13	410714.21, 3774788.13	0.78153	0.28196	2.46866	3.33104	6.49E-03	8.90E-06	9.39E-05	1.79E-04	6.77E-03	2.3E-06	7.1E-06	4.1E-06	3.7E-06	1.7E-06	9.2E-08	8.3E-07	0.0E+00	0.0E+00	0.0E+00	9.3E-07
298	UCART1	410759.2	3774788.13	410759.21, 3774788.13	0.75446	0.2807	3.83577	6.94696	6.26E-03	8.86E-06	1.46E-04	3.73E-04	6.79E-03	2.4E-06	7.1E-06	4.1E-06	3.7E-06	1.7E-06	9.2E-08	8.4E-07	0.0E+00	0.0E+00	0.0E+00	9.3E-07
299	UCART1	410804.2	3774788.13	410804.21, 3774788.13	0.69678	0.27493	7.03666	23.2967	5.78E-03	8.68E-06	2.68E-04	1.25E-03	7.31E-03	2.5E-06	7.6E-06	4.4E-06	4.0E-06	1.8E-06	9.9E-08	9.0E-07	0.0E+00	0.0E+00	0.0E+00	1.0E-06
300	UCART1	410489.2	3774833.13	410489.21, 3774833.13	0.34806	0.19576	0.48041	0.36374	2.89E-03	6.18E-06	1.83E-05	1.95E-05	2.93E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.3E-07	4.0E-08	3.6E-07	0.0E+00	0.0E+00	0.0E+00	4.0E-07
301	UCART1	410534.2	3774833.13	410534.21, 3774833.13	0.40134	0.20474	0.59365	0.51993	3.33E-03	6.46E-06	2.26E-05	2.79E-05	3.39E-03	1.2E-06	3.5E-06	2.1E-06	1.9E-06	8.5E-07	4.6E-08	4.2E-07	0.0E+00	0.0E+00	0.0E+00	4.6E-07
302	UCART1	410579.2	3774833.13	410579.21, 3774833.13	0.45435	0.21261	0.73428	0.80615	3.77E-03	6.71E-06	2.79E-05	4.33E-05	3.85E-03	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.6E-07	5.2E-08	4.7E-07	0.0E+00	0.0E+00	0.0E+00	5.3E-07
303	UCART1	410624.2	3774833.13	410624.21, 3774833.13	0.49964	0.21896	0.90939	1.40219	4.15E-03	6.91E-06	3.46E-05	7.53E-05	4.26E-03	1.5E-06	4.5E-06	2.6E-06	2.3E-06	1.1E-06	5.8E-08	5.3E-07	0.0E+00	0.0E+00	0.0E+00	5.8E-07
304	UCART1	410669.2	3774833.13	410669.21, 3774833.13	0.52934	0.22356	1.13482	2.82903	4.39E-03	7.06E-06	4.31E-05	1.52E-04	4.60E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.2E-06	6.3E-08	5.7E-07	0.0E+00	0.0E+00	0.0E+00	6.3E-07
305	UCART1	410714.2	3774833.13	410714.21, 3774833.13	0.5366	0.22508	1.43323	6.74383	4.45E-03	7.11E-06	5.45E-05	3.62E-04	4.88E-03	1.7E-06	5.1E-06	3.0E-06	2.7E-06	1.2E-06	6.6E-08	6.0E-07	0.0E+00	0.0E+00	0.0E+00	6.7E-07
306	UCART1	410759.2	3774833.13	410759.21, 3774833.13	0.52243	0.22388	1.8226	25.0844	4.34E-03	7.07E-06	6.93E-05	1.35E-03	5.76E-03	2.0E-06	6.0E-06	3.5E-06	3.2E-06	1.4E-06	7.8E-08	7.1E-07	0.0E+00	0.0E+00	0.0E+00	7.9E-07
307	UCART1	410489.2	3774878.13	410489.21, 3774878.13	0.27596	0.16245	0.38264	0.36495	2.29E-03	5.13E-06	1.45E-05	1.96E-05	2.33E-03	8.1E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	3.2E-08	2.9E-07	0.0E+00	0.0E+00	0.0E+00	3.2E-07
308	UCART1	410534.2	3774878.13	410534.21, 3774878.13	0.30841	0.16868	0.45615	0.52958	2.56E-03	5.32E-06	1.73E-05	2.84E-05	2.61E-03	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.6E-08	3.2E-07	0.0E+00	0.0E+00	0.0E+00	3.6E-07
309	UCART1	410579.2	3774878.13	410579.21, 3774878.13	0.34032	0.17441	0.54423	0.85495	2.83E-03	5.51E-06	2.07E-05	4.59E-05	2.90E-03	1.0E-06	3.0E-06	1.8E-06	1.6E-06	7.3E-07	3.9E-08	3.6E-07	0.0E+00	0.0E+00	0.0E+00	4.0E-07
310	UCART1	410624.2	3774878.13	410624.21, 3774878.13	0.36716	0.17909	0.64742	1.67891	3.05E-03	5.65E-06	2.46E-05	9.02E-05	3.17E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.9E-07	4.3E-08	3.9E-07	0.0E+00	0.0E+00	0.0E+00	4.3E-07
311	UCART1	410669.2	3774878.13	410669.21, 3774878.13	0.38536	0.1826	0.76727	4.89064	3.20E-03	5.76E-06	2.92E-05	2.63E-04	3.50E-03	1.2E-06	3.7E-06	2.1E-06	1.9E-06	8.8E-07	4.8E-08	4.3E-07	0.0E+00	0.0E+00	0.0E+00	4.8E-07
312	UCART1	410714.2	3774878.13	410714.21, 3774878.13	0.38589	0.18231	0.89076	17.8258	3.20E-03	5.75E-06	3.39E-05	9.57E-04	4.20E-03	1.5E-06	4.4E-06	2.5E-06	2.3E-06	1.1E-06	5.7E-08	5.2E-07	0.0E+00	0.0E+00	0.0E+00	5.7E-07

CONSTRUCTION RISK (UNMITIGATED)

OPERATIONAL RISK (UNMITIGATED)

OPERATIONAL RISK

Onsite Circulation	Idle	Offsite Liveoak	Offsite Stewart	Offsite Arrow	CHE	Generator
2.05E-07	1.22E-07	5.72E-07	6.89E-07	1.72E-06	2.47E-03	9.51E-05

	Discrete Receptor				Operations Concentration (AVERAGE CONC) [ug/m^3] at 1 g/s							Concentration (AVERAGE CONC) [ug/m^3]								Residential Dose					Risk by Age Group					
	ID	X	Y	X, Y	Onsite Trucks	Idle	Offsite Liveoak	Offsite Stewart	Offsite Arrow	CHE	Generator	Onsite Trucks	Idle	Offsite Liveoak	Offsite Stewart	Offsite Arrow	CHE	Generator	Unmitigated Total	3rd Tri	0<2	2<9	9<16	16<30	3rd Tri	0<2	2<9	9<16	16<30	Total Risk
1	UCART1	410264.2	3774023.13	410264.21, 3774023.13	0.21058	0.22374	0.38558	0.21996	0.12261	0.2289	0.00057	4.32E-08	2.72E-08	2.20E-07	1.51E-07	2.10E-07	5.65E-04	5.42E-08	5.66E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	8.1E-08	7.4E-08	2.2E-08	3.4E-07
2	UCART1	410309.2	3774023.13	410309.21, 3774023.13	0.22798	0.2429	0.41762	0.23659	0.1296	0.24855	0.00061	4.68E-08	2.96E-08	2.39E-07	1.63E-07	2.22E-07	6.14E-04	5.80E-08	6.14E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	7.1E-09	1.7E-07	8.8E-08	8.0E-08	2.4E-08	3.7E-07
3	UCART1	410354.2	3774023.13	410354.21, 3774023.13	0.24623	0.26299	0.44746	0.25313	0.13691	0.26903	0.00065	5.05E-08	3.20E-08	2.56E-07	1.74E-07	2.35E-07	6.64E-04	6.18E-08	6.65E-04	2.3E-07	7.0E-07	4.0E-07	3.6E-07	1.7E-07	7.7E-09	1.9E-07	9.6E-08	8.7E-08	2.6E-08	4.0E-07
4	UCART1	410399.2	3774023.13	410399.21, 3774023.13	0.2648	0.28337	0.47388	0.26875	0.14446	0.28962	0.00069	5.43E-08	3.45E-08	2.71E-07	1.85E-07	2.48E-07	7.15E-04	6.56E-08	7.16E-04	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	8.3E-09	2.0E-07	1.0E-07	9.3E-08	2.8E-08	4.3E-07
5	UCART1	410444.2	3774023.13	410444.21, 3774023.13	0.28297	0.30319	0.496	0.28254	0.15216	0.30936	0.00074	5.81E-08	3.69E-08	2.84E-07	1.95E-07	2.61E-07	7.64E-04	7.04E-08	7.65E-04	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	1.1E-07	1.0E-07	3.0E-08	4.6E-07
6	UCART1	410489.2	3774023.13	410489.21, 3774023.13	0.29973	0.3213	0.51308	0.29349	0.15983	0.32702	0.0008	6.15E-08	3.91E-08	2.93E-07	2.02E-07	2.74E-07	8.07E-04	7.61E-08	8.08E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	9.3E-09	2.3E-07	1.2E-07	1.1E-07	3.2E-08	4.9E-07
7	UCART1	410534.2	3774023.13	410534.21, 3774023.13	0.31423	0.33667	0.52496	0.301	0.16744	0.34154	0.00087	6.45E-08	4.10E-08	3.00E-07	2.07E-07	2.87E-07	8.43E-04	8.28E-08	8.44E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	9.8E-09	2.4E-07	1.2E-07	1.1E-07	3.3E-08	5.1E-07
8	UCART1	410579.2	3774023.13	410579.21, 3774023.13	0.3255	0.3482	0.53145	0.30464	0.17481	0.35189	0.00095	6.68E-08	4.24E-08	3.04E-07	2.10E-07	3.00E-07	8.69E-04	9.04E-08	8.70E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	1.3E-07	1.1E-07	3.4E-08	5.3E-07
9	UCART1	410624.2	3774023.13	410624.21, 3774023.13	0.33278	0.3551	0.53245	0.30435	0.18176	0.35739	0.00103	6.83E-08	4.32E-08	3.04E-07	2.10E-07	3.12E-07	8.82E-04	9.80E-08	8.83E-04	3.1E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.0E-08	2.5E-07	1.3E-07	1.2E-07	3.5E-08	5.3E-07
10	UCART1	410669.2	3774023.13	410669.21, 3774023.13	0.33574	0.35706	0.52803	0.30047	0.18813	0.35791	0.0011	6.89E-08	4.35E-08	3.02E-07	2.07E-07	3.23E-07	8.84E-04	1.05E-07	8.85E-04	3.1E-07	9.2E-07	5.4E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	1.3E-07	1.2E-07	3.5E-08	5.3E-07
11	UCART1	410714.2	3774023.13	410714.21, 3774023.13	0.33426	0.35408	0.51817	0.29344	0.19363	0.35363	0.00112	6.86E-08	4.31E-08	2.96E-07	2.02E-07	3.32E-07	8.73E-04	1.07E-07	8.74E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	1.3E-07	1.1E-07	3.5E-08	5.3E-07
12	UCART1	410759.2	3774023.13	410759.21, 3774023.13	0.32876	0.3467	0.50315	0.28393	0.1981	0.34515	0.0011	6.75E-08	4.22E-08	2.88E-07	1.96E-07	3.40E-07	8.52E-04	1.05E-07	8.53E-04	3.0E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	9.9E-09	2.4E-07	1.2E-07	1.1E-07	3.4E-08	5.2E-07
13	UCART1	410804.2	3774023.13	410804.21, 3774023.13	0.31972	0.33556	0.48329	0.27256	0.20132	0.33318	0.00105	6.56E-08	4.09E-08	2.76E-07	1.88E-07	3.46E-07	8.23E-04	9.99E-08	8.24E-04	2.9E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	9.5E-09	2.3E-07	1.2E-07	1.1E-07	3.3E-08	5.0E-07
14	UCART1	410849.2	3774023.13	410849.21, 3774023.13	0.30793	0.32159	0.45935	0.26003	0.20323	0.31859	0.00099	6.32E-08	3.92E-08	2.63E-07	1.79E-07	3.49E-07	7.87E-04	9.42E-08	7.88E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	9.1E-09	2.2E-07	1.1E-07	1.0E-07	3.1E-08	4.8E-07
15	UCART1	410894.2	3774023.13	410894.21, 3774023.13	0.29404	0.30555	0.43212	0.24681	0.20368	0.30212	0.00092	6.03E-08	3.72E-08	2.47E-07	1.70E-07	3.50E-07	7.46E-04	8.75E-08	7.47E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	1.1E-07	9.7E-08	2.9E-08	4.5E-07
16	UCART1	410939.2	3774023.13	410939.21, 3774023.13	0.27874	0.28825	0.4027	0.23333	0.20264	0.28457	0.00086	5.72E-08	3.51E-08	2.30E-07	1.61E-07	3.48E-07	7.03E-04	8.18E-08	7.03E-04	2.4E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	8.1E-09	2.0E-07	1.0E-07	9.2E-08	2.8E-08	4.3E-07
17	UCART1	410984.2	3774023.13	410984.21, 3774023.13	0.2627	0.2704	0.3723	0.21993	0.20017	0.2666	0.00083	5.39E-08	3.29E-08	2.13E-07	1.51E-07	3.44E-07	6.58E-04	7.90E-08	6.59E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	9.5E-08	8.6E-08	2.6E-08	4.0E-07
18	UCART1	411029.2	3774023.13	411029.21, 3774023.13	0.24645	0.25259	0.34206	0.20685	0.19636	0.2488	0.0008	5.06E-08	3.08E-08	1.96E-07	1.42E-07	3.37E-07	6.14E-04	7.61E-08	6.15E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	7.1E-09	1.7E-07	8.8E-08	8.0E-08	2.4E-08	3.7E-07
19	UCART1	411074.2	3774023.13	411074.21, 3774023.13	0.23045	0.23529	0.31287	0.19428	0.19141	0.23158	0.00079	4.73E-08	2.87E-08	1.79E-07	1.34E-07	3.29E-07	5.72E-04	7.52E-08	5.73E-04	2.0E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	6.6E-09	1.6E-07	8.2E-08	7.5E-08	2.3E-08	3.5E-07
20	UCART1	411119.2	3774023.13	411119.21, 3774023.13	0.21503	0.21879	0.28536	0.18232	0.18552	0.21521	0.00077	4.41E-08	2.66E-08	1.63E-07	1.26E-07	3.18E-07	5.31E-04	7.32E-08	5.32E-04	1.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	6.2E-09	1.5E-07	7.6E-08	6.9E-08	2.1E-08	3.2E-07
21	UCART1	411164.2	3774023.13	411164.21, 3774023.13	0.2004	0.20329	0.25999	0.17103	0.17887	0.19988	0.00074	4.11E-08	2.48E-08	1.49E-07	1.18E-07	3.07E-07	4.93E-04	7.04E-08	4.94E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	7.1E-08	6.4E-08	2.0E-08	3.0E-07
22	UCART1	411209.2	3774023.13	411209.21, 3774023.13	0.18668	0.18888	0.23705	0.16045	0.17166	0.18566	0.00071	3.83E-08	2.30E-08	1.36E-07	1.11E-07	2.95E-07	4.58E-04	6.75E-08	4.59E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	5.3E-09	1.3E-07	6.6E-08	6.0E-08	1.8E-08	2.8E-07
23	UCART1	411254.2	3774023.13	411254.21, 3774023.13	0.17395	0.17559	0.21649	0.15059	0.16411	0.17253	0.00067	3.57E-08	2.14E-08	1.24E-07	1.04E-07	2.82E-07	4.26E-04	6.37E-08	4.27E-04	1.5E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	6.1E-08	5.6E-08	1.7E-08	2.6E-07
24	UCART1	411299.2	3774023.13	411299.21, 3774023.13	0.1622	0.16336	0.19822	0.14144	0.1564	0.16045	0.00063	3.33E-08	1.99E-08	1.13E-07	9.74E-08	2.68E-07	3.96E-04	5.99E-08	3.97E-04	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	4.6E-09	1.1E-07	5.7E-08	5.2E-08	1.6E-08	2.4E-07
25	UCART1	410264.2	3774068.13	410264.21, 3774068.13	0.22951	0.2447	0.45206	0.24333	0.13013	0.25084	0.00065	4.71E-08	2.98E-08	2.59E-07	1.68E-07	2.23E-07	6.19E-04	6.18E-08	6.20E-04	2.1E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	7.2E-09	1.7E-07	8.9E-08	8.1E-08	2.4E-08	3.7E-07
26	UCART1	410309.2	3774068.13	410309.21, 3774068.13	0.2508	0.2683	0.49594	0.26461	0.13816	0.27517	0.00068	5.15E-08	3.27E-08	2.84E-07	1.82E-07	2.37E-07	6.79E-04	6.47E-08	6.80E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.9E-09	1.9E-07	9.8E-08	8.9E-08	2.7E-08	4.1E-07
27	UCART1	410354.2	3774068.13	410354.21, 3774068.13	0.27359	0.29361	0.53683	0.2863	0.14661	0.30112	0.00072	5.61E-08	3.58E-08	3.07E-07	1.97E-07	2.52E-07	7.43E-04	6.85E-08	7.44E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	1.1E-07	9.7E-08	2.9E-08	4.5E-07
28	UCART1	410399.2	3774068.13	410399.21, 3774068.13	0.29737	0.31999	0.57295	0.3074	0.15543	0.32796	0.00077	6.10E-08	3.90E-08	3.28E-07	2.12E-07	2.67E-07	8.10E-04	7.32E-08	8.11E-04	2.8E-07	8.5E-07	4.9E-07	4.4E-07	2.0E-07	9.4E-09	2.3E-07	1.2E-07	1.1E-07	3.2E-08	4.9E-07
29	UCART1	410444.2	3774068.13	410444.21, 3774068.13	0.32128	0.34641	0.60298	0.32656	0.16454	0.35449	0.00083	6.59E-08	4.22E-08	3.45E-07	2.25E-07	2.82E-07	8.75E-04	7.90E-08	8.76E-04	3.0E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	1.3E-07	1.1E-07	3.5E-08	5.3E-07
30	UCART1	410489.2	3774068.13	410489.21, 3774068.13	0.34414	0.37143	0.6262	0.34233	0.17381	0.37914	0.00091	7.06E-08	4.52E-08	3.58E-07	2.36E-07	2.98E-07	9.36E-04	8.66E-08	9.37E-04	3.2E-07	9.8E-07	5.7E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	1.3E-07	1.2E-07	3.7E-08	5.7E-07
31	UCART1	410534.2	3774068.13	410534.21, 3774068.13	0.36442	0.39325	0.64217	0.35333	0.18306	0.4	0.00099	7.48E-08	4.79E-08	3.67E-07	2.43E-07	3.14E-07	9.88E-04	9.42E-08	9.89E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.1E-08	2.8E-07	1.4E-07	1.3E-07	3.9E-08	6.0E-07
32	UCART1	410579.2	3774068.13	410579.21, 3774068.13	0.38077	0.41028	0.65106	0.3589	0.19221	0.41552	0.0011	7.81E-08	5.00E-08	3.72E-07	2.47E-07	3.30E-07	1.03E-03	1.05E-07	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.2E-08	2.9E-07	1.5E-07	1.3E-07	4.1E-08	6.2E-07
33	UCART1	410624.2	3774068.13	410624.21, 3774068.13	0.39178	0.42097	0.65271	0.35873	0.20096	0.4243	0.0012	8.04E-08	5.13E-08	3.73E-07	2.47E-07	3.45E-07	1.05E-03	1.14E-07	1.05E-03	3.6E-07	1.1E-06	6.3E-07	5.8E-07	2.6E-07	1.2E-08	2.9E-07	1.5E-07	1.4E-07	4.1E-08	6.3E-07
34	UCART1	410669.2	3774068.13	410669.21, 3774068.13	0.39674	0.42463	0.64731	0.35335	0.20914	0.42592	0.0013	8.14E-08	5.17E-08	3.70E-07	2.43E-07	3.59E-07	1.05E-03	1.24E-07	1.05E-03	3.6E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	1.2E-08	2.9E-07	1.5E-07	1.4E-07	4.2E-08	6.4E-07
35	UCART1	410714.2	3774068.13	410714.21, 3774068.13	0.39533	0.4211	0.63475	0.3435	0.21635	0.42051	0.00131	8.11E-08	5.13E-08	3.63E-07	2.37E-07	3.71E-07	1.04E-03	1.25E-07	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	1.5E-07	1.4E-07	4.1E-08	6.3E-07
36	UCART1	410759.2	3774068.13	410759.21, 3774068.13	0.38808	0.41114	0.61527	0.33031	0.22237	0.40899	0.00129	7.96E-08	5.01E-08	3.52E-07	2.27E-07	3.82E-07	1.01E-03	1.23E-07	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.2E-08	2.8E-07	1.5E-07	1.3E-07	4.0E-08	6.1E-07
37	UCART1	410804.2	3774068.13	410804.21, 3774068.13	0.37581	0.39585	0.58916	0.3148	0.22688	0.39253	0.00122	7.71E-08	4.82E-08	3.37E-07	2.17E-07	3.89E-07	9.69E-04	1.16E-07	9.70E-04	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.1E-08	2.7E-07	1.4E-07	1.3E-07	3.8E-08	5.9E-07
38	UCART1	410849.2	3774068.13	410849.21, 3774068.13	0.35976	0.37667	0.55725	0.29802	0.22978	0.37252	0.00114	7.38E-08	4.59E-08	3.19E-07	2.05E-07	3.94E-07	9.20E-04	1.08E-07	9.21E-04	3.2E-07	9.6E-07	5.6E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	1.3E-07	1.2E-07	3.6E-08	5.6E-07
39	UCART1	410894.2	3774068.13	410894.21, 3774068.13	0.34094	0.35485	0.52054	0.28063	0.23077	0.35018	0.00106	7.00E-08	4.32E-08	2.98E-07	1.93E-07	3.96E-07	8.65E-04	1.01E-07	8.66E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	1.0E-08	2.4E-07	1.2E-07	1.1E-07	3.4E-08	5.2E-07
40	UCART1	410939.2	3774068.13	410939.21, 3774068.13	0.32047	0.33165	0.48069	0.26322	0.2298	0.32671	0.001	6.58E-08	4.04E-08	2.75E-07	1.81E-07	3.94E-07	8.07E-04	9.51E-08	8.08E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	9.3E-09	2.3E-07	1.2E-07	1.1E-07	3.2E-08	4.9E-07
41	UCART1	410984.2	3774068.13	410984.21, 3774068.13	0.29932	0.30812	0.43955	0.24621	0.2269	0.30313	0.00097	6.14E-08	3.75E-08	2.51E-07	1.70E-07	3.89E-07	7.48E-04	9.23E-08	7.49E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	8.7E-09	2.1E-07	1.1E-07	9.8E-08	3.0E-08	4.5E-07
42	UCART1	411029.2	3774068.13	411029.21, 3774068.13	0.27827	0.28509	0.39903	0.2299	0.22222	0.28019	0.00095	5.71E-08	3.47E-08	2.28E-07	1.58E-07	3.81E-07	6.92E-04	9.04E-08	6.93E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	8.0E-09	1.9E-07	1.0E-07	9.0E-08	2.7E-08	4.2E-07
43	UCART1	411074.2	3774068.13	411074.21, 3774068.13	0.25792	0.26312	0.36045	0.21446	0.21601	0.25841	0.00093	5.29E-08	3.20E-08	2.06E-07	1.48E-07	3.71E-07	6.38E-04	8.85E-08	6.39E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	7.4E-09	1.8E-07	9.2E-08	8.3E-08	2.5E-08	3.9E-07
44	UCART1	411119.2	3774068.13	411119.21, 3774068.13	0.23864	0.24257	0.32487	0.19998	0.20855	0.23809	0.00089	4.90E-08	2.95E-08	1.86E-07	1.38E-07	3.58E-07	5.88E-04	8.47E-08	5.89E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	8.5E-08	7.7E-08	2.3E-08	3.6E-07
45	UCART1	411164.2	3774068.13	411164.21, 3774068.13	0.22067	0.22359	0.29257	0.18646	0.20015	0.21938	0.00086	4.53E-08	2.72E-08	1.67E-07	1.28E-07	3.44E-07	5.42E-04	8.18E-08	5.42E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	6.3E-09	1.5E-07	7.8E-08	7.1E-08	2.1E-08	3.3E-07
46	UCART1	411209.2	3774068.13	411209.21, 3774068.13	0.20409	0.20626	0.26416	0.174	0.19108	0.20233	0.00081	4.19E-08	2.51E-08	1.51E-07	1.20E-07	3.28E-07	5.00E-04	7.71E-08	5.00E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	5.8E-09	1.4E-07	7.2E-08	6.5E-08	2.0E-08	3.0E-07
47	UCART1	411254.2	3774068.13	411254.21, 3774068.13	0.18893	0.19043	0.23895	0.16244	0.18167	0.18669	0.00077	3.88E-08	2.32E-08	1.37E-07	1.12E-07	3.12E-07	4.61E-04	7.32E-08	4.62E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	5.3E-09	1.3E-07	6.6E-08	6.0E-08	1.8E-08	2.8E-07
48	UCART1	411299.2	3774068.13	411299.21, 3774068.13	0.17504	0.17598	0.21695	0.1518	0.17215	0.17249	0.00072	3.59E-08	2.14E-08	1.24E-07	1.05E-07	2.95E-07	4.26E-04	6.85E-08	4.27E-04	1.5E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	6.1E-08	5.6E-08	1.7E-08	2.6E-07
49	UCART1	410264.2	3774113.13	410264.21, 3774113.13	0.25051	0.268	0.53962	0.27015	0.13826	0.27533	0.00073	5.14E-08	3.26E-08	3.09E-07	1.86E-07	2.37E-07	6.80E-04	6.94E-08	6.81E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.9E-09	1.9E-07	9.8E-08	8.9E-08	2.7E-08	4.1E-07
50	UCART1	410309.2	3774113.13	410309.21, 3774113.13	0.27647	0.29702	0.60155	0.29744	0.14745	0.30538	0.00078	5.67E-08	3.62E-08	3.44E-07	2.05E-07	2.53E-07	7.54E-04	7.42E-08	7.55E-04	2.6E-07	7.9E-07	4.6E-07	4.1E-07	1.9E-07	8.7E-09	2.1E-07	1.1E-07	9.8E-08	3.0E-08	4.6E-07
51	UCART1	410354.2	3774113.13	410354.21, 3774113.13	0.30491	0.32891	0.65927	0.32612	0.1572	0.33829	0.00082	6.26E-08	4.01E-08	3.77E-07	2.25E-07	2.70E-07	8.35E-04	7.80E-08	8.36E-04	2.9E-07	8.7E-07	5.1E-07	4.6E-07	2.1E-07	9.7E-09	2.3E-07	1.2E-07	1.1E-07	3.3E-08	5.1E-07
52	UCART1	410399.2	3774113.13	410399.21, 3774113.13	0.33562	0.36335	0.71018	0.35519	0.16759	0.37359	0.00088	6.89E-08	4.42E-08	4.06E-07	2.45E-07	2.88E-07	9.22E-04	8.37E-08	9.23E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	1.3E-07	1.2E-07	3.6E-08	5.6E-07
53	UCART1	410444.2	3774113.13	410444.21, 3774113.13	0.3673	0.39882	0.75167	0.38238	0.17836	0.40955	0.00094	7.54E-08	4.86E-08	4.30E-07	2.63E-07	3.06E-07	1.01E-03	8.94E-08	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.6E-07	2.5E-07	1.2E-08	2.8E-07	1.5E-07	1.3E-07	4.0E-08	6.1E-07
54	UCART1	410489.2	3774113.13	410489.21, 3774113.13	0.39877	0.43378	0.78348	0.40567	0.18957	0.44435	0.00103	8.18E-08	5.28E-08	4.48E-07	2.79E-07	3.25E-07	1.10E-03	9.80E-08	1.10E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.3E-08	3.1E-07	1.6E-07	1.4E-07	4.3E-08	6.6E-07
55	UCART1	410534.2	3774113.13	410534.21, 3774113.13	0.42775	0.46549	0.80521	0.42248	0.20095	0.47504	0.00115	8.78E-08	5.67E-08	4.60E-07	2.91E-07	3.45E-07	1.17E-03	1.09E-07	1.17E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.4E-08	3.3E-07	1.7E-07	1.5E-07	4.6E-08	7.1E-07
56	UCART1	410579.2	3774113.13	410579.21, 3774113.13	0.45184	0.49107	0.81712	0.4311	0.21228	0.4987	0.00128	9.27E-08	5.98E-08	4.67E-07	2.97E-07	3.64E-07	1.23E-03	1.22E-07	1.23E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.4E-08	3.4E-07	1.8E-07	1.6E-07	4.9E-08	7.4E-07
57	UCART1	410624.2	3774113.13	410624.21, 3774113.13	0.46879	0.50795	0.81956	0.43105	0.22332	0.51295	0.00142	9.62E-08	6.19E-08	4.69E-07	2.97E-07	3.83E-07	1.27E-03	1.35E-07	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.5E-08	3.5E-07	1.8E-07	1.7E-07	5.0E-08	7.7E-07
58	UCART1	410669.2	3774113.13	410669.21, 3774113.13	0.4771	0.51458	0.8128	0.42312	0.23385	0.5166	0.00152	9.79E-08	6.27E-08	4.65E-07	2.91E-07	4.01E-07	1.28E-03	1.45E-07	1.28E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.5E-08	3.6E-07	1.8E-07	1.7E-07	5.0E-08	7.7E-07
59	UCART1	410714.2	3774113.13	410714.21, 3774113.13	0.47606	0.51046	0.79667	0.40874	0.2434	0.50967	0.00154	9.77E-08	6.22E-08	4.56E-07	2.81E-07	4.18E-07	1.26E-03	1.46E-07	1.26E-03	4.4E-07	1.3E-06	7.6E-07	6.9E-07	3.2E-07	1.5E-08	3.5E-07	1.8E-07	1.6E-07	5.0E-08	7.6E-07
60	UCART1	410759.2	3774113.13	410759.21, 3774113.13	0.46621	0.49657	0.77115	0.38978	0.25154	0.49348	0.00151	9.57E-08	6.05E-08	4.41E-07	2.68E-07	4.32E-07	1.22E-03	1.44E-07	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.4E-08	3.4E-07	1.8E-07	1.6E-07	4.8E-08	7.4E-07
61	UCART1	410804.2	3774113.13	410804.21, 3774113.13	0.44907	0.4749	0.73639	0.36807	0.25796	0.47012	0.00142	9.21E-08	5.78E-08	4.21E-07	2.53E-07	4.43E-07	1.16E-03	1.35E-07	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.4E-07	2.9E-07	1.3E-08	3.2E-07	1.7E-07	1.5E-07	4.6E-08	7.0E-07
62	UCART1	410849.2	3774113.13	410849.21, 3774113.13	0.42651	0.44774	0.69298	0.34509	0.26232	0.44184	0.00132	8.75E-08	5.45E-08	3.96E-07	2.38E-07	4.50E-07	1.09E-03	1.26E-07	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.3E-08	3.0E-07	1.6E-07	1.4E-07	4.3E-08	6.6E-07
63	UCART1	410894.2	3774113.13	410894.21, 3774113.13	0.40033	0.41726	0.64231	0.32185	0.2642	0.41076	0.00124	8.21E-08	5.08E-08	3.67E-07	2.22E-07	4.53E-07	1.01E-03	1.18E-07	1.02E-03	3.5E-07	1.1E-06	6.1E-07	5.6E-07	2.5E-07	1.2E-08	2.8E-07	1.5E-07	1.3E-07	4.0E-08	6.1E-07
64	UCART1	410939.2	3774113.13	410939.21, 3774113.13	0.37234	0.3855	0.58671	0.29911	0.26345	0.37877	0.00118	7.64E-08	4.69E-08	3.36E-07	2.06E-07	4.52E-07	9.35E-04	1.12E-07	9.36E-04	3.2E-07	9.8E-07	5.7E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	1.3E-07	1.2E-07	3.7E-08	5.7E-07
65	UCART1	410984.2	3774113.13	410984.21, 3774113.13	0.34399	0.35399	0.5292	0.27737	0.2601	0.34733	0.00116	7.06E-08	4.31E-08	3.03E-07	1.91E-07	4.46E-07	8.58E-04	1.10E-07	8.59E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.1E-07	9.9E-09	2.4E-07	1.2E-07	1.1E-07	3.4E-08	5.2E-07
66	UCART1	411029.2	3774113.13	411029.21, 3774113.13	0.31637	0.32385	0.47318	0.25689	0.25428	0.31744	0.00113	6.49E-08	3.94E-08	2.71E-07	1.77E-07	4.36E-07	7.84E-04	1.07E-07	7.85E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	9.1E-09	2.2E-07	1.1E-07	1.0E-07	3.1E-08	4.7E-07
67	UCART1	411074.2	3774113.13	411074.21, 3774113.13	0.29023	0.29574	0.42089	0.23781	0.24636	0.28968	0.0011	5.95E-08	3.60E-08	2.41E-07	1.64E-07	4.23E-07	7.15E-04	1.05E-07	7.16E-04	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	8.3E-09	2.0E-07	1.0E-07	9.3E-08	2.8E-08	4.3E-07
68	UCART1	411119.2	3774113.13	411119.21, 3774113.13	0.26598	0.26999	0.37372	0.22019	0.23676	0.26434	0.00105	5.46E-08	3.29E-08	2.14E-07	1.52E-07	4.06E-07	6.53E-04	9.99E-08	6.54E-04	2.3E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	9.4E-08	8.5E-08	2.6E-08	3.9E-07
69	UCART1	411164.2	3774113.13	411164.21, 3774113.13	0.24381	0.24672	0.33197	0.20396	0.22596	0.24146	0.001	5.00E-08	3.00E-08	1.90E-07	1.40E-07	3.88E-07	5.96E-04	9.51E-08	5.97E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	6.9E-09	1.7E-07	8.6E-08	7.8E-08	2.4E-08	3.6E-07
70	UCART1	411209.2	3774113.13	411209.21, 3774113.13	0.22375	0.22585	0.29639	0.18925	0.21435	0.22102	0.00094	4.59E-08	2.75E-08	1.69E-07	1.30E-07	3.68E-07	5.46E-04	8.94E-08	5.47E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	6.3E-09	1.5E-07	7.9E-08	7.1E-08	2.2E-08	3.3E-07
71	UCART1	411254.2	3774113.13	411254.21, 3774113.13	0.20559	0.20683	0.26519	0.17562	0.20245	0.20228	0.00088	4.22E-08	2.52E-08	1.52E-07	1.21E-07	3.47E-07	4.99E-04	8.37E-08	5.00E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	5.8E-09	1.4E-07	7.2E-08	6.5E-08	2.0E-08	3.0E-07
72	UCART1	411299.2	3774113.13	411299.21, 3774113.13	0.18931	0.19008	0.23876	0.16333	0.19053	0.18592	0.00082	3.88E-08	2.31E-08	1.37E-07	1.12E-07	3.27E-07	4.59E-04	7.80E-08	4.60E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	5.3E-09	1.3E-07	6.6E-08	6.0E-08	1.8E-08	2.8E-07
73	UCART1	410264.2	3774158.13	410264.21, 3774158.13	0.2734	0.29351	0.65859	0.30053	0.14692	0.30228	0.00084	5.61E-08	3.57E-08	3.77E-07	2.07E-07	2.52E-07	7.46E-04	7.99E-08	7.47E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	1.1E-07	9.7E-08	3.0E-08	4.5E-07
74	UCART1	410309.2	3774158.13	410309.21, 3774158.13	0.30517	0.32928	0.75039	0.33587	0.15752	0.3395	0.0009	6.26E-08	4.01E-08	4.29E-07	2.31E-07	2.70E-07	8.38E-04	8.56E-08	8.39E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	9.7E-09	2.3E-07	1.2E-07	1.1E-07	3.3E-08	5.1E-07
75	UCART1	410354.2	3774158.13	410354.21, 3774158.13	0.34088	0.36968	0.83582	0.37436	0.16886	0.38147	0.00095	6.99E-08	4.50E-08	4.78E-07	2.58E-07	2.90E-07	9.42E-04	9.04E-08	9.43E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.1E-08	2.6E-07	1.4E-07	1.2E-07	3.7E-08	5.7E-07
76	UCART1	410399.2	3774158.13	410399.21, 3774158.13	0.3804	0.41455	0.90941	0.41478	0.181	0.42783	0.00101	7.81E-08	5.05E-08	5.20E-07	2.86E-07	3.11E-07	1.06E-03	9.61E-08	1.06E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	1.2E-08	3.0E-07	1.5E-07	1.4E-07	4.2E-08	6.4E-07
77	UCART1	410444.2	3774158.13	410444.21, 3774158.13	0.42292	0.46282	0.96837	0.4546	0.19388	0.47723	0.00108	8.68E-08	5.64E-08	5.54E-07	3.13E-07	3.33E-07	1.18E-03	1.03E-07	1.18E-03	4.1E-07	1.2E-06	7.1E-07	6.5E-07	3.0E-07	1.4E-08	3.3E-07	1.7E-07	1.5E-07	4.7E-08	7.1E-07
78	UCART1	410489.2	3774158.13	410489.21, 3774158.13	0.46655	0.51213	1.01206	0.48997	0.20737	0.52688	0.00118	9.57E-08	6.24E-08	5.79E-07	3.37E-07	3.56E-07	1.30E-03	1.12E-07	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.3E-07	1.5E-08	3.6E-07	1.9E-07	1.7E-07	5.1E-08	7.9E-07
79	UCART1	410534.2	3774158.13	410534.21, 3774158.13	0.50853	0.55894	1.04136	0.51657	0.22133	0.5728	0.00132	1.04E-07	6.81E-08	5.95E-07	3.56E-07	3.80E-07	1.41E-03	1.26E-07	1.42E-03	4.9E-07	1.5E-06	8.6E-07	7.8E-07	3.5E-07	1.6E-08	4.0E-07	2.0E-07	1.8E-07	5.6E-08	8.6E-07
80	UCART1	410579.2	3774158.13	410579.21, 3774158.13	0.54498	0.59852	1.05727	0.53064	0.23547	0.60999	0.00149	1.12E-07	7.29E-08	6.05E-07	3.65E-07	4.04E-07	1.51E-03	1.42E-07	1.51E-03	5.2E-07	1.6E-06	9.1E-07	8.3E-07	3.8E-07	1.7E-08	4.2E-07	2.2E-07	2.0E-07	6.0E-08	9.1E-07
81	UCART1	410624.2	3774158.13	410624.21, 3774158.13	0.572	0.62617	1.06076	0.53086	0.24959	0.63388	0.00167	1.17E-07	7.62E-08	6.07E-07	3.66E-07	4.28E-07	1.56E-03	1.59E-07	1.57E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	1.8E-08	4.4E-07	2.3E-07	2.0E-07	6.2E-08	9.5E-07
82	UCART1	410669.2	3774158.13	410669.21, 3774158.13	0.58619	0.63821	1.05205	0.5183	0.26322	0.64142	0.0018	1.20E-07	7.77E-08	6.02E-07	3.57E-07	4.52E-07	1.58E-03	1.71E-07	1.59E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.8E-08	4.4E-07	2.3E-07	2.1E-07	6.3E-08	9.6E-07
83	UCART1	410714.2	3774158.13	410714.21, 3774158.13	0.58607	0.63346	1.0311	0.49609	0.27591	0.63232	0.00182	1.20E-07	7.71E-08	5.90E-07	3.42E-07	4.74E-07	1.56E-03	1.73E-07	1.56E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	1.8E-08	4.4E-07	2.2E-07	2.0E-07	6.2E-08	9.4E-07
84	UCART1	410759.2	3774158.13	410759.21, 3774158.13	0.57233	0.6134	0.99739	0.46776	0.28713	0.6087	0.00178	1.17E-07	7.47E-08	5.70E-07	3.22E-07	4.93E-07	1.50E-03	1.69E-07	1.50E-03	5.2E-07	1.6E-06	9.1E-07	8.3E-07	3.8E-07	1.7E-08	4.2E-07	2.2E-07	2.0E-07	5.9E-08	9.1E-07
85	UCART1	410804.2	3774158.13	410804.21, 3774158.13	0.54731	0.58132	0.95039	0.43636	0.29626	0.57415	0.00165	1.12E-07	7.08E-08	5.43E-07	3.01E-07	5.08E-07	1.42E-03	1.57E-07	1.42E-03	4.9E-07	1.5E-06	8.6E-07	7.8E-07	3.6E-07	1.6E-08	4.0E-07	2.0E-07	1.8E-07	5.6E-08	8.6E-07
86	UCART1	410849.2	3774158.13	410849.21, 3774158.13	0.51442	0.54145	0.89007	0.4042	0.30284	0.53279	0.00155	1.06E-07	6.59E-08	5.09E-07	2.78E-07	5.20E-07	1.32E-03	1.47E-07	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.5E-08	3.7E-07	1.9E-07	1.7E-07	5.2E-08	8.0E-07
87	UCART1	410894.2	3774158.13	410894.21, 3774158.13	0.47691	0.49763	0.81784	0.37267	0.30622	0.48832	0.00146	9.79E-08	6.06E-08	4.68E-07	2.57E-07	5.26E-07	1.21E-03	1.39E-07	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	1.7E-07	1.6E-07	4.8E-08	7.3E-07
88	UCART1	410939.2	3774158.13	410939.21, 3774158.13	0.43767	0.45311	0.7372	0.34265	0.30602	0.44374	0.00142	8.98E-08	5.52E-08	4.22E-07	2.36E-07	5.25E-07	1.10E-03	1.35E-07	1.10E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.3E-08	3.1E-07	1.6E-07	1.4E-07	4.3E-08	6.6E-07
89	UCART1	410984.2	3774158.13	410984.21, 3774158.13	0.39896	0.41019	0.65346	0.31458	0.30218	0.40115	0.00139	8.19E-08	4.99E-08	3.74E-07	2.17E-07	5.19E-07	9.90E-04	1.32E-07	9.92E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.1E-08	2.8E-07	1.4E-07	1.3E-07	3.9E-08	6.0E-07
90	UCART1	411029.2	3774158.13	411029.21, 3774158.13	0.36225	0.37029	0.57293	0.28869	0.29484	0.3618	0.00136	7.43E-08	4.51E-08	3.28E-07	1.99E-07	5.06E-07	8.93E-04	1.29E-07	8.95E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	1.3E-07	1.2E-07	3.5E-08	5.4E-07
91	UCART1	411074.2	3774158.13	411074.21, 3774158.13	0.32839	0.33408	0.49934	0.26499	0.28454	0.32623	0.00131	6.74E-08	4.07E-08	2.86E-07	1.82E-07	4.88E-07	8.05E-04	1.25E-07	8.07E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	9.3E-09	2.3E-07	1.2E-07	1.1E-07	3.2E-08	4.9E-07
92	UCART1	411119.2	3774158.13	411119.21, 3774158.13	0.29775	0.30176	0.43527	0.24348	0.27191	0.29457	0.00124	6.11E-08	3.67E-08	2.49E-07	1.68E-07	4.67E-07	7.27E-04	1.18E-07	7.28E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	1.0E-07	9.5E-08	2.9E-08	4.4E-07
93	UCART1	411164.2	3774158.13	411164.21, 3774158.13	0.27036	0.27307	0.38054	0.22396	0.25769	0.26641	0.00117	5.55E-08	3.33E-08	2.18E-07	1.54E-07	4.42E-07	6.58E-04	1.11E-07	6.59E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	9.5E-08	8.6E-08	2.6E-08	4.0E-07
94	UCART1	411209.2	3774158.13	411209.21, 3774158.13	0.24606	0.2479	0.33498	0.20642	0.24259	0.24181	0.00109	5.05E-08	3.02E-08	1.92E-07	1.42E-07	4.16E-07	5.97E-04	1.04E-07	5.98E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	6.9E-09	1.7E-07	8.6E-08	7.8E-08	2.4E-08	3.6E-07
95	UCART1	411254.2	3774158.13	411254.21, 3774158.13	0.22431	0.22531	0.29642	0.19043	0.22724	0.21981	0.00101	4.60E-08	2.74E-08	1.70E-07	1.31E-07	3.90E-07	5.43E-04	9.61E-08	5.44E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	6.3E-09	1.5E-07	7.8E-08	7.1E-08	2.1E-08	3.3E-07
96	UCART1	411299.2	3774158.13	411299.21, 3774158.13	0.20521	0.20585	0.26434	0.17616	0.21212	0.20088	0.00093	4.21E-08	2.51E-08	1.51E-07	1.21E-07	3.64E-07	4.96E-04	8.85E-08	4.97E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	7.1E-08	6.5E-08	2.0E-08	3.0E-07
97	UCART1	410264.2	3774203.13	410264.21, 3774203.13	0.29812	0.32113	0.8283	0.3347	0.15611	0.33164	0.00095	6.12E-08	3.91E-08	4.74E-07	2.31E-07	2.68E-07	8.19E-04	9.04E-08	8.20E-04	2.8E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	9.5E-09	2.3E-07	1.2E-07	1.1E-07	3.2E-08	5.0E-07
98	UCART1	410309.2	3774203.13	410309.21, 3774203.13	0.33688	0.36506	0.97344	0.38049	0.16834	0.3776	0.00103	6.91E-08	4.45E-08	5.57E-07	2.62E-07	2.89E-07	9.32E-04	9.80E-08	9.34E-04	3.2E-07	9.8E-07	5.6E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	1.3E-07	1.2E-07	3.7E-08	5.6E-07
99	UCART1	410354.2	3774203.13	410354.21, 3774203.13	0.38166	0.41621	1.10759	0.43257	0.18156	0.43108	0.0011	7.83E-08	5.07E-08	6.33E-07	2.98E-07	3.12E-07	1.06E-03	1.05E-07	1.07E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.7E-07	1.2E-08	3.0E-07	1.5E-07	1.4E-07	4.2E-08	6.4E-07
100	UCART1	410399.2	3774203.13	410399.21, 3774203.13	0.43287	0.47505	1.21925	0.48997	0.19585	0.49239	0.00117	8.88E-08	5.78E-08	6.97E-07	3.37E-07	3.36E-07	1.22E-03	1.11E-07	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.0E-07	1.4E-08	3.4E-07	1.8E-07	1.6E-07	4.8E-08	7.4E-07
101	UCART1	410444.2	3774203.13	410444.21, 3774203.13	0.49002	0.54094	1.30451	0.54966	0.2112	0.56054	0.00125	1.01E-07	6.59E-08	7.46E-07	3.79E-07	3.62E-07	1.38E-03	1.19E-07	1.39E-03	4.8E-07	1.4E-06	8.4E-07	7.6E-07	3.5E-07	1.6E-08	3.9E-07	2.0E-07	1.8E-07	5.5E-08	8.4E-07
102	UCART1	410489.2	3774203.13	410489.21, 3774203.13	0.55134	0.61154	1.36498	0.60584	0.22751	0.63252	0.00136	1.13E-07	7.45E-08	7.81E-07	4.17E-07	3.90E-07	1.56E-03	1.29E-07	1.56E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	1.8E-08	4.4E-07	2.2E-07	2.0E-07	6.2E-08	9.4E-07
103	UCART1	410534.2	3774203.13	410534.21, 3774203.13	0.61324	0.68211	1.40417	0.6503	0.24468	0.70275	0.00153	1.26E-07	8.31E-08	8.03E-07	4.48E-07	4.20E-07	1.74E-03	1.46E-07	1.74E-03	6.0E-07	1.8E-06	1.1E-06	9.5E-07	4.3E-07	2.0E-08	4.9E-07	2.5E-07	2.3E-07	6.9E-08	1.0E-06
104	UCART1	410579.2	3774203.13	410579.21, 3774203.13	0.66984	0.74513	1.42489	0.67466	0.26241	0.76297	0.00173	1.37E-07	9.07E-08	8.15E-07	4.65E-07	4.50E-07	1.88E-03	1.65E-07	1.89E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.2E-08	5.3E-07	2.7E-07	2.5E-07	7.4E-08	1.1E-06
105	UCART1	410624.2	3774203.13	410624.21, 3774203.13	0.71403	0.79174	1.42913	0.67484	0.28038	0.80421	0.00195	1.47E-07	9.64E-08	8.17E-07	4.65E-07	4.81E-07	1.99E-03	1.86E-07	1.99E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.3E-08	5.6E-07	2.9E-07	2.6E-07	7.8E-08	1.2E-06
106	UCART1	410669.2	3774203.13	410669.21, 3774203.13	0.73924	0.81436	1.41767	0.65331	0.29822	0.81974	0.00212	1.52E-07	9.92E-08	8.11E-07	4.50E-07	5.12E-07	2.02E-03	2.02E-07	2.03E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.3E-08	5.7E-07	2.9E-07	2.6E-07	8.0E-08	1.2E-06
107	UCART1	410714.2	3774203.13	410714.21, 3774203.13	0.74157	0.80971	1.38988	0.61673	0.31534	0.80759	0.00217	1.52E-07	9.86E-08	7.95E-07	4.25E-07	5.41E-07	1.99E-03	2.06E-07	2.00E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.3E-08	5.6E-07	2.9E-07	2.6E-07	7.9E-08	1.2E-06
108	UCART1	410759.2	3774203.13	410759.21, 3774203.13	0.72143	0.77883	1.34478	0.57231	0.33092	0.77127	0.00211	1.48E-07	9.48E-08	7.69E-07	3.94E-07	5.68E-07	1.90E-03	2.01E-07	1.91E-03	6.6E-07	2.0E-06	1.2E-06	1.0E-06	4.8E-07	2.2E-08	5.3E-07	2.7E-07	2.5E-07	7.5E-08	1.2E-06
109	UCART1	410804.2	3774203.13	410804.21, 3774203.13	0.68318	0.72904	1.28025	0.52546	0.34411	0.71775	0.00195	1.40E-07	8.88E-08	7.32E-07	3.62E-07	5.91E-07	1.77E-03	1.86E-07	1.77E-03	6.1E-07	1.9E-06	1.1E-06	9.7E-07	4.4E-07	2.1E-08	5.0E-07	2.6E-07	2.3E-07	7.0E-08	1.1E-06
110	UCART1	410849.2	3774203.13	410849.21, 3774203.13	0.6332	0.66801	1.19392	0.47951	0.35424	0.65478	0.00183	1.30E-07	8.13E-08	6.83E-07	3.30E-07	6.08E-07	1.62E-03	1.74E-07	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.9E-08	4.5E-07	2.3E-07	2.1E-07	6.4E-08	9.8E-07
111	UCART1	410894.2	3774203.13	410894.21, 3774203.13	0.5775	0.60287	1.08668	0.43611	0.36011	0.58913	0.00176	1.18E-07	7.34E-08	6.21E-07	3.00E-07	6.18E-07	1.45E-03	1.67E-07	1.46E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	1.7E-08	4.1E-07	2.1E-07	1.9E-07	5.7E-08	8.8E-07
112	UCART1	410939.2	3774203.13	410939.21, 3774203.13	0.52104	0.53895	0.96339	0.396	0.36109	0.5256	0.00172	1.07E-07	6.56E-08	5.51E-07	2.73E-07	6.20E-07	1.30E-03	1.64E-07	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.3E-07	1.5E-08	3.6E-07	1.9E-07	1.7E-07	5.1E-08	7.9E-07
113	UCART1	410984.2	3774203.13	410984.21, 3774203.13	0.46718	0.47956	0.83469	0.35947	0.35679	0.46708	0.00169	9.59E-08	5.84E-08	4.77E-07	2.48E-07	6.12E-07	1.15E-03	1.61E-07	1.15E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	1.7E-07	1.5E-07	4.6E-08	7.0E-07
114	UCART1	411029.2	3774203.13	411029.21, 3774203.13	0.41779	0.42624	0.712	0.32647	0.34743	0.41486	0.00164	8.57E-08	5.19E-08	4.07E-07	2.25E-07	5.96E-07	1.02E-03	1.56E-07	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.2E-08	2.9E-07	1.5E-07	1.3E-07	4.0E-08	6.2E-07
115	UCART1	411074.2	3774203.13	411074.21, 3774203.13	0.37367	0.37943	0.60439	0.29693	0.33366	0.36916	0.00157	7.67E-08	4.62E-08	3.46E-07	2.04E-07	5.73E-07	9.11E-04	1.49E-07	9.13E-04	3.2E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.1E-08	2.5E-07	1.3E-07	1.2E-07	3.6E-08	5.5E-07
116	UCART1	411119.2	3774203.13	411119.21, 3774203.13	0.33485	0.33868	0.51446	0.2705	0.31659	0.32933	0.00147	6.87E-08	4.12E-08	2.94E-07	1.86E-07	5.43E-07	8.13E-04	1.40E-07	8.14E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	9.4E-09	2.3E-07	1.2E-07	1.1E-07	3.2E-08	4.9E-07
117	UCART1	411164.2	3774203.13	411164.21, 3774203.13	0.30087	0.30321	0.44129	0.24687	0.29741	0.29478	0.00138	6.17E-08	3.69E-08	2.52E-07	1.70E-07	5.10E-07	7.28E-04	1.31E-07	7.29E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	1.0E-07	9.5E-08	2.9E-08	4.4E-07
118	UCART1	411209.2	3774203.13	411209.21, 3774203.13	0.27132	0.27275	0.38228	0.2259	0.27727	0.26525	0.00128	5.57E-08	3.32E-08	2.19E-07	1.56E-07	4.76E-07	6.55E-04	1.22E-07	6.56E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	9.4E-08	8.5E-08	2.6E-08	4.0E-07
119	UCART1	411254.2	3774203.13	411254.21, 3774203.13	0.2452	0.24608	0.33369	0.207	0.25713	0.23944	0.00117	5.03E-08	3.00E-08	1.91E-07	1.43E-07	4.41E-07	5.91E-04	1.11E-07	5.92E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.8E-09	1.7E-07	8.5E-08	7.7E-08	2.3E-08	3.6E-07
120	UCART1	411299.2	3774203.13	411299.21, 3774203.13	0.22304	0.22366	0.29466	0.19052	0.23766	0.21772	0.00109	4.58E-08	2.72E-08	1.68E-07	1.31E-07	4.08E-07	5.38E-04	1.04E-07	5.38E-04	1.9E-07	5.6E-07	3.3E-07	3.0E-07	1.3E-07	6.2E-09	1.5E-07	7.7E-08	7.0E-08	2.1E-08	3.3E-07
121	UCART1	410264.2	3774248.13	410264.21, 3774248.13	0.32475	0.35087	1.0889	0.37295	0.16603	0.36343	0.0011	6.66E-08	4.27E-08	6.23E-07	2.57E-07	2.85E-07	8.97E-04	1.05E-07	8.99E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	1.3E-07	1.2E-07	3.5E-08	5.4E-07
122	UCART1	410309.2	3774248.13	410309.21, 3774248.13	0.37153	0.40426	1.34108	0.43187	0.17999	0.41963	0.00121	7.62E-08	4.92E-08	7.67E-07	2.97E-07	3.09E-07	1.04E-03	1.15E-07	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	1.5E-07	1.4E-07	4.1E-08	6.3E-07
123	UCART1	410354.2	3774248.13	410354.21, 3774248.13	0.42745	0.46872	1.57104	0.50248	0.19538	0.48752	0.00128	8.77E-08	5.71E-08	8.98E-07	3.46E-07	3.35E-07	1.20E-03	1.22E-07	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	1.7E-07	1.6E-07	4.8E-08	7.3E-07
124	UCART1	410399.2	3774248.13	410399.21, 3774248.13	0.49371	0.54579	1.74998	0.58507	0.21223	0.56857	0.00137	1.01E-07	6.65E-08	1.00E-06	4.03E-07	3.64E-07	1.40E-03	1.30E-07	1.41E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.6E-08	3.9E-07	2.0E-07	1.8E-07	5.5E-08	8.5E-07
125	UCART1	410444.2	3774248.13	410444.21, 3774248.13	0.57086	0.63619	1.87605	0.67724	0.23054	0.66314	0.00147	1.17E-07	7.75E-08	1.07E-06	4.66E-07	3.96E-07	1.64E-03	1.40E-07	1.64E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.9E-08	4.6E-07	2.4E-07	2.1E-07	6.5E-08	9.9E-07
126	UCART1	410489.2	3774248.13	410489.21, 3774248.13	0.65788	0.73845	1.95955	0.77118	0.25032	0.76888	0.00159	1.35E-07	8.99E-08	1.12E-06	5.31E-07	4.30E-07	1.90E-03	1.51E-07	1.90E-03	6.6E-07	2.0E-06	1.2E-06	1.0E-06	4.8E-07	2.2E-08	5.3E-07	2.7E-07	2.5E-07	7.5E-08	1.1E-06
127	UCART1	410534.2	3774248.13	410534.21, 3774248.13	0.75078	0.84708	2.01057	0.85132	0.27146	0.87879	0.00177	1.54E-07	1.03E-07	1.15E-06	5.86E-07	4.66E-07	2.17E-03	1.68E-07	2.17E-03	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	2.5E-08	6.1E-07	3.1E-07	2.8E-07	8.6E-08	1.3E-06
128	UCART1	410579.2	3774248.13	410579.21, 3774248.13	0.84132	0.95089	2.03599	0.89748	0.29378	0.97987	0.00202	1.73E-07	1.16E-07	1.16E-06	6.18E-07	5.04E-07	2.42E-03	1.92E-07	2.42E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	2.8E-08	6.8E-07	3.5E-07	3.2E-07	9.6E-08	1.5E-06
129	UCART1	410624.2	3774248.13	410624.21, 3774248.13	0.91699	1.03346	2.03923	0.89695	0.31698	1.05459	0.00231	1.88E-07	1.26E-07	1.17E-06	6.18E-07	5.44E-07	2.60E-03	2.20E-07	2.61E-03	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.0E-08	7.3E-07	3.7E-07	3.4E-07	1.0E-07	1.6E-06
130	UCART1	410669.2	3774248.13	410669.21, 3774248.13	0.96365	1.07758	2.02191	0.85507	0.34048	1.0869	0.00254	1.98E-07	1.31E-07	1.16E-06	5.89E-07	5.84E-07	2.68E-03	2.42E-07	2.69E-03	9.3E-07	2.8E-06	1.6E-06	1.5E-06	6.7E-07	3.1E-08	7.5E-07	3.9E-07	3.5E-07	1.1E-07	1.6E-06
131	UCART1	410714.2	3774248.13	410714.21, 3774248.13	0.9716	1.07346	1.98424	0.78947	0.36358	1.07028	0.0026	1.99E-07	1.31E-07	1.13E-06	5.44E-07	6.24E-07	2.64E-03	2.47E-07	2.65E-03	9.2E-07	2.8E-06	1.6E-06	1.5E-06	6.6E-07	3.1E-08	7.4E-07	3.8E-07	3.4E-07	1.0E-07	1.6E-06
132	UCART1	410759.2	3774248.13	410759.21, 3774248.13	0.94029	1.02373	1.92116	0.71608	0.3855	1.01061	0.0025	1.93E-07	1.25E-07	1.10E-06	4.93E-07	6.62E-07	2.50E-03	2.38E-07	2.50E-03	8.6E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.9E-08	7.0E-07	3.6E-07	3.3E-07	9.9E-08	1.5E-06
133	UCART1	410804.2	3774248.13	410804.21, 3774248.13	0.87818	0.94163	1.8321	0.64402	0.40479	0.92277	0.00233	1.80E-07	1.15E-07	1.05E-06	4.44E-07	6.95E-07	2.28E-03	2.22E-07	2.28E-03	7.9E-07	2.4E-06	1.4E-06	1.3E-06	5.7E-07	2.6E-08	6.4E-07	3.3E-07	3.0E-07	9.0E-08	1.4E-06
134	UCART1	410849.2	3774248.13	410849.21, 3774248.13	0.79821	0.84347	1.70472	0.57708	0.42051	0.82236	0.0022	1.64E-07	1.03E-07	9.75E-07	3.97E-07	7.22E-07	2.03E-03	2.09E-07	2.03E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.3E-08	5.7E-07	2.9E-07	2.6E-07	8.0E-08	1.2E-06
135	UCART1	410894.2	3774248.13	410894.21, 3774248.13	0.71225	0.7431	1.5377	0.51651	0.43073	0.72219	0.00214	1.46E-07	9.05E-08	8.79E-07	3.56E-07	7.39E-07	1.78E-03	2.04E-07	1.79E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	2.1E-08	5.0E-07	2.6E-07	2.3E-07	7.0E-08	1.1E-06
136	UCART1	410939.2	3774248.13	410939.21, 3774248.13	0.62881	0.6492	1.3353	0.46235	0.43411	0.62977	0.00211	1.29E-07	7.91E-08	7.64E-07	3.18E-07	7.45E-07	1.55E-03	2.01E-07	1.56E-03	5.4E-07	1.6E-06	9.4E-07	8.5E-07	3.9E-07	1.8E-08	4.3E-07	2.2E-07	2.0E-07	6.1E-08	9.4E-07
137	UCART1	410984.2	3774248.13	410984.21, 3774248.13	0.55261	0.5659	1.11849	0.41433	0.42974	0.54844	0.00207	1.13E-07	6.89E-08	6.40E-07	2.85E-07	7.38E-07	1.35E-03	1.97E-07	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.6E-08	3.8E-07	1.9E-07	1.8E-07	5.4E-08	8.2E-07
138	UCART1	411029.2	3774248.13	411029.21, 3774248.13	0.48557	0.49426	0.91679	0.372	0.41758	0.47883	0.00199	9.96E-08	6.02E-08	5.24E-07	2.56E-07	7.17E-07	1.18E-03	1.89E-07	1.18E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.4E-08	3.3E-07	1.7E-07	1.5E-07	4.7E-08	7.2E-07
139	UCART1	411074.2	3774248.13	411074.21, 3774248.13	0.42783	0.43325	0.74951	0.33475	0.39866	0.41945	0.00188	8.78E-08	5.28E-08	4.29E-07	2.31E-07	6.84E-07	1.04E-03	1.79E-07	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	1.5E-07	1.4E-07	4.1E-08	6.3E-07
140	UCART1	411119.2	3774248.13	411119.21, 3774248.13	0.37825	0.3814	0.61884	0.30196	0.3748	0.36929	0.00175	7.76E-08	4.64E-08	3.54E-07	2.08E-07	6.43E-07	9.12E-04	1.66E-07	9.13E-04	3.2E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.1E-08	2.5E-07	1.3E-07	1.2E-07	3.6E-08	5.5E-07
141	UCART1	411164.2	3774248.13	411164.21, 3774248.13	0.33581	0.33763	0.5181	0.27308	0.3481	0.32711	0.00162	6.89E-08	4.11E-08	2.96E-07	1.88E-07	5.97E-07	8.08E-04	1.54E-07	8.09E-04	2.8E-07	8.5E-07	4.9E-07	4.4E-07	2.0E-07	9.4E-09	2.3E-07	1.2E-07	1.1E-07	3.2E-08	4.9E-07
142	UCART1	411209.2	3774248.13	411209.21, 3774248.13	0.30045	0.30167	0.44138	0.24825	0.3205	0.29244	0.0015	6.16E-08	3.67E-08	2.52E-07	1.71E-07	5.50E-07	7.22E-04	1.43E-07	7.23E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	1.0E-07	9.4E-08	2.9E-08	4.4E-07
143	UCART1	411254.2	3774248.13	411254.21, 3774248.13	0.26935	0.27026	0.37958	0.22594	0.2935	0.2622	0.00138	5.53E-08	3.29E-08	2.17E-07	1.56E-07	5.04E-07	6.47E-04	1.31E-07	6.48E-04	2.2E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	7.5E-09	1.8E-07	9.3E-08	8.5E-08	2.6E-08	3.9E-07
144	UCART1	411299.2	3774248.13	411299.21, 3774248.13	0.2434	0.24407	0.33125	0.20669	0.26807	0.23695	0.00127	4.99E-08	2.97E-08	1.89E-07	1.42E-07	4.60E-07	5.85E-04	1.21E-07	5.86E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	8.4E-08	7.6E-08	2.3E-08	3.5E-07
145	UCART1	410264.2	3774293.13	410264.21, 3774293.13	0.35262	0.38192	1.53073	0.41454	0.17654	0.39684	0.00124	7.24E-08	4.65E-08	8.75E-07	2.85E-07	3.03E-07	9.80E-04	1.18E-07	9.81E-04	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.5E-07	1.1E-08	2.7E-07	1.4E-07	1.3E-07	3.9E-08	5.9E-07
146	UCART1	410309.2	3774293.13	410309.21, 3774293.13	0.40877	0.44638	2.05142	0.48993	0.19253	0.46514	0.00138	8.39E-08	5.44E-08	1.17E-06	3.37E-07	3.30E-07	1.15E-03	1.31E-07	1.15E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	1.7E-07	1.5E-07	4.5E-08	7.0E-07
147	UCART1	410354.2	3774293.13	410354.21, 3774293.13	0.47797	0.52682	2.50457	0.58517	0.21037	0.55054	0.00152	9.81E-08	6.41E-08	1.43E-06	4.03E-07	3.61E-07	1.36E-03	1.45E-07	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.5E-07	3.4E-07	1.6E-08	3.8E-07	2.0E-07	1.8E-07	5.4E-08	8.2E-07
148	UCART1	410399.2	3774293.13	410399.21, 3774293.13	0.56325	0.62718	2.81102	0.70469	0.23022	0.65717	0.00165	1.16E-07	7.64E-08	1.61E-06	4.85E-07	3.95E-07	1.62E-03	1.57E-07	1.63E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.9E-08	4.5E-07	2.3E-07	2.1E-07	6.4E-08	9.8E-07
149	UCART1	410444.2	3774293.13	410444.21, 3774293.13	0.66738	0.7512	2.99929	0.8508	0.25215	0.78857	0.00173	1.37E-07	9.15E-08	1.72E-06	5.86E-07	4.33E-07	1.95E-03	1.65E-07	1.95E-03	6.8E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.3E-08	5.4E-07	2.8E-07	2.5E-07	7.7E-08	1.2E-06
150	UCART1	410489.2	3774293.13	410489.21, 3774293.13	0.79172	0.90061	3.11065	1.01751	0.2762	0.94557	0.00188	1.62E-07	1.10E-07	1.78E-06	7.01E-07	4.74E-07	2.33E-03	1.79E-07	2.34E-03	8.1E-07	2.4E-06	1.4E-06	1.3E-06	5.9E-07	2.7E-08	6.5E-07	3.4E-07	3.0E-07	9.2E-08	1.4E-06
151	UCART1	410534.2	3774293.13	410534.21, 3774293.13	0.93361	1.0714	3.17071	1.17824	0.30231	1.12179	0.00208	1.92E-07	1.30E-07	1.81E-06	8.11E-07	5.19E-07	2.77E-03	1.98E-07	2.77E-03	9.6E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	3.2E-08	7.7E-07	4.0E-07	3.6E-07	1.1E-07	1.7E-06
152	UCART1	410579.2	3774293.13	410579.21, 3774293.13	1.08301	1.24884	3.19442	1.27937	0.33047	1.29839	0.00237	2.22E-07	1.52E-07	1.83E-06	8.81E-07	5.67E-07	3.21E-03	2.25E-07	3.21E-03	1.1E-06	3.4E-06	1.9E-06	1.8E-06	8.0E-07	3.7E-08	9.0E-07	4.6E-07	4.2E-07	1.3E-07	1.9E-06
153	UCART1	410624.2	3774293.13	410624.21, 3774293.13	1.21868	1.40309	3.18867	1.27348	0.36039	1.44159	0.00273	2.50E-07	1.71E-07	1.82E-06	8.77E-07	6.19E-07	3.56E-03	2.60E-07	3.56E-03	1.2E-06	3.7E-06	2.2E-06	2.0E-06	8.9E-07	4.1E-08	9.9E-07	5.1E-07	4.6E-07	1.4E-07	2.2E-06
154	UCART1	410669.2	3774293.13	410669.21, 3774293.13	1.31056	1.49474	3.15009	1.17731	0.39161	1.51212	0.00306	2.69E-07	1.82E-07	1.80E-06	8.11E-07	6.72E-07	3.73E-03	2.91E-07	3.74E-03	1.3E-06	3.9E-06	2.3E-06	2.0E-06	9.4E-07	4.3E-08	1.0E-06	5.4E-07	4.9E-07	1.5E-07	2.3E-06
155	UCART1	410714.2	3774293.13	410714.21, 3774293.13	1.33274	1.49555	3.09917	1.04743	0.42307	1.48907	0.00313	2.73E-07	1.82E-07	1.77E-06	7.21E-07	7.26E-07	3.68E-03	2.98E-07	3.68E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.2E-07	4.3E-08	1.0E-06	5.3E-07	4.8E-07	1.5E-07	2.2E-06
156	UCART1	410759.2	3774293.13	410759.21, 3774293.13	1.27989	1.40713	3.00664	0.91969	0.45419	1.38223	0.00302	2.63E-07	1.71E-07	1.72E-06	6.33E-07	7.80E-07	3.41E-03	2.87E-07	3.42E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.6E-07	3.9E-08	9.5E-07	4.9E-07	4.5E-07	1.3E-07	2.1E-06
157	UCART1	410804.2	3774293.13	410804.21, 3774293.13	1.17078	1.26064	2.87479	0.8056	0.4831	1.22682	0.00282	2.40E-07	1.54E-07	1.64E-06	5.55E-07	8.29E-07	3.03E-03	2.68E-07	3.03E-03	1.0E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	3.5E-08	8.5E-07	4.4E-07	4.0E-07	1.2E-07	1.8E-06
158	UCART1	410849.2	3774293.13	410849.21, 3774293.13	1.0347	1.09349	2.67966	0.70599	0.5079	1.05815	0.0027	2.12E-07	1.33E-07	1.53E-06	4.86E-07	8.72E-07	2.61E-03	2.57E-07	2.62E-03	9.1E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.0E-08	7.3E-07	3.8E-07	3.4E-07	1.0E-07	1.6E-06
159	UCART1	410894.2	3774293.13	410894.21, 3774293.13	0.89632	0.93304	2.40153	0.61992	0.52586	0.90023	0.00265	1.84E-07	1.14E-07	1.37E-06	4.27E-07	9.03E-07	2.22E-03	2.52E-07	2.23E-03	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.6E-07	2.6E-08	6.2E-07	3.2E-07	2.9E-07	8.8E-08	1.3E-06
160	UCART1	410939.2	3774293.13	410939.21, 3774293.13	0.76983	0.79236	2.0299	0.54587	0.53423	0.76354	0.00262	1.58E-07	9.65E-08	1.16E-06	3.76E-07	9.17E-07	1.89E-03	2.49E-07	1.89E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.2E-08	5.3E-07	2.7E-07	2.5E-07	7.5E-08	1.1E-06
161	UCART1	410984.2	3774293.13	410984.21, 3774293.13	0.66069	0.67463	1.61108	0.48227	0.53076	0.64988	0.00254	1.36E-07	8.21E-08	9.21E-07	3.32E-07	9.11E-07	1.60E-03	2.42E-07	1.61E-03	5.6E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	1.9E-08	4.5E-07	2.3E-07	2.1E-07	6.3E-08	9.7E-07
162	UCART1	411029.2	3774293.13	411029.21, 3774293.13	0.56901	0.57694	1.23627	0.42707	0.51484	0.55534	0.00242	1.17E-07	7.03E-08	7.07E-07	2.94E-07	8.84E-07	1.37E-03	2.30E-07	1.37E-03	4.8E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.6E-08	3.8E-07	2.0E-07	1.8E-07	5.4E-08	8.3E-07
163	UCART1	411074.2	3774293.13	411074.21, 3774293.13	0.49282	0.49741	0.9574	0.3798	0.48779	0.47913	0.00226	1.01E-07	6.06E-08	5.47E-07	2.62E-07	8.37E-07	1.18E-03	2.15E-07	1.18E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.4E-08	3.3E-07	1.7E-07	1.5E-07	4.7E-08	7.2E-07
164	UCART1	411119.2	3774293.13	411119.21, 3774293.13	0.42976	0.43247	0.76008	0.33904	0.45294	0.41696	0.00208	8.82E-08	5.27E-08	4.35E-07	2.33E-07	7.77E-07	1.03E-03	1.98E-07	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	1.5E-07	1.3E-07	4.1E-08	6.2E-07
165	UCART1	411164.2	3774293.13	411164.21, 3774293.13	0.37703	0.37891	0.61808	0.30378	0.41426	0.36572	0.00192	7.74E-08	4.61E-08	3.53E-07	2.09E-07	7.11E-07	9.03E-04	1.83E-07	9.05E-04	3.1E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.0E-08	2.5E-07	1.3E-07	1.2E-07	3.6E-08	5.5E-07
166	UCART1	411209.2	3774293.13	411209.21, 3774293.13	0.3342	0.33555	0.51524	0.27391	0.37524	0.32417	0.00178	6.86E-08	4.09E-08	2.95E-07	1.89E-07	6.44E-07	8.00E-04	1.69E-07	8.02E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	9.3E-09	2.2E-07	1.2E-07	1.0E-07	3.2E-08	4.8E-07
167	UCART1	411254.2	3774293.13	411254.21, 3774293.13	0.29753	0.29856	0.4362	0.2476	0.33825	0.28875	0.00164	6.10E-08	3.64E-08	2.49E-07	1.71E-07	5.81E-07	7.13E-04	1.56E-07	7.14E-04	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	8.3E-09	2.0E-07	1.0E-07	9.3E-08	2.8E-08	4.3E-07
168	UCART1	411299.2	3774293.13	411299.21, 3774293.13	0.26706	0.26784	0.37568	0.2251	0.30454	0.25929	0.00151	5.48E-08	3.26E-08	2.15E-07	1.55E-07	5.23E-07	6.40E-04	1.44E-07	6.41E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	7.4E-09	1.8E-07	9.2E-08	8.4E-08	2.5E-08	3.9E-07
169	UCART1	410264.2	3774338.13	410264.21, 3774338.13	0.38091	0.41323	2.40714	0.45816	0.1876	0.43077	0.00137	7.82E-08	5.03E-08	1.38E-06	3.16E-07	3.22E-07	1.06E-03	1.30E-07	1.07E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.7E-07	1.2E-08	3.0E-07	1.5E-07	1.4E-07	4.2E-08	6.4E-07
170	UCART1	410309.2	3774338.13	410309.21, 3774338.13	0.4476	0.49011	3.93057	0.55324	0.20594	0.51277	0.00156	9.18E-08	5.97E-08	2.25E-06	3.81E-07	3.53E-07	1.27E-03	1.48E-07	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.5E-08	3.5E-07	1.8E-07	1.7E-07	5.0E-08	7.7E-07
171	UCART1	410354.2	3774338.13	410354.21, 3774338.13	0.53224	0.58916	5.07111	0.67988	0.2266	0.61884	0.00175	1.09E-07	7.17E-08	2.90E-06	4.68E-07	3.89E-07	1.53E-03	1.66E-07	1.53E-03	5.3E-07	1.6E-06	9.3E-07	8.4E-07	3.8E-07	1.8E-08	4.3E-07	2.2E-07	2.0E-07	6.0E-08	9.3E-07
172	UCART1	410399.2	3774338.13	410399.21, 3774338.13	0.64075	0.71821	5.62094	0.85146	0.24993	0.75747	0.00194	1.31E-07	8.75E-08	3.21E-06	5.86E-07	4.29E-07	1.87E-03	1.85E-07	1.87E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.2E-08	5.2E-07	2.7E-07	2.4E-07	7.4E-08	1.1E-06
173	UCART1	410444.2	3774338.13	410444.21, 3774338.13	0.78017	0.88691	5.87608	1.08554	0.27614	0.93887	0.00212	1.60E-07	1.08E-07	3.36E-06	7.48E-07	4.74E-07	2.32E-03	2.02E-07	2.32E-03	8.0E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.7E-08	6.5E-07	3.3E-07	3.0E-07	9.2E-08	1.4E-06
174	UCART1	410489.2	3774338.13	410489.21, 3774338.13	0.95773	1.10528	5.98496	1.39814	0.3054	1.17273	0.0023	1.97E-07	1.35E-07	3.42E-06	9.63E-07	5.24E-07	2.90E-03	2.19E-07	2.90E-03	1.0E-06	3.0E-06	1.8E-06	1.6E-06	7.3E-07	3.4E-08	8.1E-07	4.2E-07	3.8E-07	1.1E-07	1.8E-06
175	UCART1	410534.2	3774338.13	410534.21, 3774338.13	1.17736	1.37836	6.01126	1.77164	0.33779	1.46135	0.00246	2.42E-07	1.68E-07	3.44E-06	1.22E-06	5.80E-07	3.61E-03	2.34E-07	3.61E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.0E-07	4.2E-08	1.0E-06	5.2E-07	4.7E-07	1.4E-07	2.2E-06
176	UCART1	410579.2	3774338.13	410579.21, 3774338.13	1.43222	1.69432	5.98823	2.05981	0.37348	1.78486	0.00281	2.94E-07	2.06E-07	3.42E-06	1.42E-06	6.41E-07	4.41E-03	2.67E-07	4.41E-03	1.5E-06	4.6E-06	2.7E-06	2.4E-06	1.1E-06	5.1E-08	1.2E-06	6.3E-07	5.8E-07	1.7E-07	2.7E-06
177	UCART1	410624.2	3774338.13	410624.21, 3774338.13	1.69052	2.00366	5.92837	2.02093	0.41226	2.08082	0.00333	3.47E-07	2.44E-07	3.39E-06	1.39E-06	7.08E-07	5.14E-03	3.17E-07	5.14E-03	1.8E-06	5.4E-06	3.1E-06	2.8E-06	1.3E-06	5.9E-08	1.4E-06	7.4E-07	6.7E-07	2.0E-07	3.1E-06
178	UCART1	410669.2	3774338.13	410669.21, 3774338.13	1.88742	2.21295	5.83681	1.74019	0.45372	2.24946	0.00373	3.87E-07	2.69E-07	3.34E-06	1.20E-06	7.79E-07	5.55E-03	3.55E-07	5.56E-03	1.9E-06	5.8E-06	3.4E-06	3.0E-06	1.4E-06	6.4E-08	1.6E-06	8.0E-07	7.2E-07	2.2E-07	3.4E-06
179	UCART1	410714.2	3774338.13	410714.21, 3774338.13	1.94834	2.23144	5.71348	1.45204	0.49728	2.21539	0.00388	4.00E-07	2.72E-07	3.27E-06	1.00E-06	8.53E-07	5.47E-03	3.69E-07	5.48E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	6.3E-08	1.5E-06	7.9E-07	7.1E-07	2.2E-07	3.3E-06
180	UCART1	410759.2	3774338.13	410759.21, 3774338.13	1.84743	2.05311	5.55122	1.2186	0.54183	1.99978	0.00373	3.79E-07	2.50E-07	3.17E-06	8.39E-07	9.30E-07	4.94E-03	3.55E-07	4.94E-03	1.7E-06	5.2E-06	3.0E-06	2.7E-06	1.2E-06	5.7E-08	1.4E-06	7.1E-07	6.4E-07	2.0E-07	3.0E-06
181	UCART1	410804.2	3774338.13	410804.21, 3774338.13	1.63378	1.76338	5.31563	1.03006	0.58573	1.69771	0.00352	3.35E-07	2.15E-07	3.04E-06	7.09E-07	1.01E-06	4.19E-03	3.35E-07	4.20E-03	1.5E-06	4.4E-06	2.5E-06	2.3E-06	1.1E-06	4.9E-08	1.2E-06	6.0E-07	5.5E-07	1.7E-07	2.5E-06
182	UCART1	410849.2	3774338.13	410849.21, 3774338.13	1.38498	1.45684	4.99186	0.87841	0.62574	1.39294	0.0034	2.84E-07	1.77E-07	2.85E-06	6.05E-07	1.07E-06	3.44E-03	3.23E-07	3.44E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.6E-07	4.0E-08	9.6E-07	5.0E-07	4.5E-07	1.4E-07	2.1E-06
183	UCART1	410894.2	3774338.13	410894.21, 3774338.13	1.15183	1.19037	4.49341	0.75444	0.65786	1.136	0.00335	2.36E-07	1.45E-07	2.57E-06	5.20E-07	1.13E-06	2.80E-03	3.19E-07	2.81E-03	9.7E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	3.2E-08	7.8E-07	4.0E-07	3.7E-07	1.1E-07	1.7E-06

OPERATIONAL RISK (UNMITIGATED)

184	UCART1	410939.2	3774338.13	410939.21, 3774338.13	0.95492	0.97508	3.67493	0.65129	0.67686	0.93079	0.00327	1.96E-07	1.19E-07	2.10E-06	4.49E-07	1.16E-06	2.30E-03	3.11E-07	2.30E-03	8.0E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.7E-08	6.4E-07	3.3E-07	3.0E-07	9.1E-08	1.4E-06
185	UCART1	410984.2	3774338.13	410984.21, 3774338.13	0.79945	0.81255	2.62246	0.56695	0.67732	0.77631	0.00312	1.64E-07	9.89E-08	1.50E-06	3.90E-07	1.16E-06	1.92E-03	2.97E-07	1.92E-03	6.6E-07	2.0E-06	1.2E-06	1.1E-06	4.8E-07	2.2E-08	5.4E-07	2.8E-07	2.5E-07	7.6E-08	1.2E-06
186	UCART1	411029.2	3774338.13	411029.21, 3774338.13	0.67248	0.67927	1.77386	0.49435	0.65643	0.64989	0.00293	1.38E-07	8.27E-08	1.01E-06	3.40E-07	1.13E-06	1.60E-03	2.79E-07	1.61E-03	5.6E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	1.9E-08	4.5E-07	2.3E-07	2.1E-07	6.3E-08	9.7E-07
187	UCART1	411074.2	3774338.13	411074.21, 3774338.13	0.57224	0.57639	1.26306	0.43387	0.61575	0.55232	0.00271	1.17E-07	7.02E-08	7.22E-07	2.99E-07	1.06E-06	1.36E-03	2.58E-07	1.37E-03	4.7E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.6E-08	3.8E-07	2.0E-07	1.8E-07	5.4E-08	8.3E-07
188	UCART1	411119.2	3774338.13	411119.21, 3774338.13	0.49192	0.49483	0.95092	0.383	0.56184	0.47493	0.00252	1.01E-07	6.03E-08	5.44E-07	2.64E-07	9.64E-07	1.17E-03	2.40E-07	1.17E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.4E-08	3.3E-07	1.7E-07	1.5E-07	4.6E-08	7.1E-07
189	UCART1	411164.2	3774338.13	411164.21, 3774338.13	0.42709	0.42924	0.7469	0.33997	0.50298	0.41264	0.00232	8.76E-08	5.23E-08	4.27E-07	2.34E-07	8.63E-07	1.02E-03	2.21E-07	1.02E-03	3.5E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.2E-08	2.8E-07	1.5E-07	1.3E-07	4.0E-08	6.2E-07
190	UCART1	411209.2	3774338.13	411209.21, 3774338.13	0.37464	0.37625	0.6064	0.30373	0.44578	0.36222	0.00215	7.69E-08	4.58E-08	3.47E-07	2.09E-07	7.65E-07	8.94E-04	2.05E-07	8.96E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	1.3E-07	1.2E-07	3.5E-08	5.4E-07
191	UCART1	411254.2	3774338.13	411254.21, 3774338.13	0.33101	0.33224	0.50451	0.27263	0.39392	0.32031	0.00198	6.79E-08	4.05E-08	2.88E-07	1.88E-07	6.76E-07	7.91E-04	1.88E-07	7.92E-04	2.7E-07	8.3E-07	4.8E-07	4.3E-07	2.0E-07	9.2E-09	2.2E-07	1.1E-07	1.0E-07	3.1E-08	4.8E-07
192	UCART1	411299.2	3774338.13	411299.21, 3774338.13	0.29501	0.29595	0.42852	0.24628	0.34871	0.28569	0.00181	6.05E-08	3.60E-08	2.45E-07	1.70E-07	5.98E-07	7.05E-04	1.72E-07	7.07E-04	2.4E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	8.2E-09	2.0E-07	1.0E-07	9.2E-08	2.8E-08	4.3E-07
193	UCART1	410264.2	3774383.13	410264.21, 3774383.13	0.40838	0.44326	4.33465	0.50153	0.19913	0.46351	0.00149	8.38E-08	5.40E-08	2.48E-06	3.45E-07	3.42E-07	1.14E-03	1.42E-07	1.15E-03	4.0E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	1.7E-07	1.5E-07	4.5E-08	6.9E-07
194	UCART1	410309.2	3774383.13	410309.21, 3774383.13	0.48619	0.5331	15.50989	0.61822	0.22005	0.55998	0.00172	9.98E-08	6.49E-08	8.87E-06	4.26E-07	3.78E-07	1.38E-03	1.64E-07	1.39E-03	4.8E-07	1.5E-06	8.4E-07	7.6E-07	3.5E-07	1.6E-08	3.9E-07	2.0E-07	1.8E-07	5.5E-08	8.4E-07
195	UCART1	410354.2	3774383.13	410354.21, 3774383.13	0.58797	0.65267	19.54982	0.78197	0.24399	0.68915	0.00198	1.21E-07	7.95E-08	1.12E-05	5.39E-07	4.19E-07	1.70E-03	1.88E-07	1.71E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	2.0E-08	4.8E-07	2.5E-07	2.2E-07	6.8E-08	1.0E-06
196	UCART1	410399.2	3774383.13	410399.21, 3774383.13	0.72362	0.81523	19.92553	1.02127	0.27141	0.86584	0.00225	1.48E-07	9.93E-08	1.14E-05	7.03E-07	4.66E-07	2.14E-03	2.14E-07	2.15E-03	7.4E-07	2.2E-06	1.3E-06	1.2E-06	5.4E-07	2.5E-08	6.0E-07	3.1E-07	2.8E-07	8.5E-08	1.3E-06
197	UCART1	410444.2	3774383.13	410444.21, 3774383.13	0.90723	1.04038	19.66274	1.38818	0.30275	1.11183	0.00253	1.86E-07	1.27E-07	1.12E-05	9.56E-07	5.20E-07	2.74E-03	2.41E-07	2.76E-03	9.5E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	3.2E-08	7.7E-07	4.0E-07	3.6E-07	1.1E-07	1.7E-06
198	UCART1	410489.2	3774383.13	410489.21, 3774383.13	1.15787	1.35556	19.12028	1.98435	0.33834	1.4571	0.00279	2.38E-07	1.65E-07	1.09E-05	1.37E-06	5.81E-07	3.60E-03	2.65E-07	3.61E-03	1.2E-06	3.8E-06	2.2E-06	2.0E-06	9.0E-07	4.2E-08	1.0E-06	5.2E-07	4.7E-07	1.4E-07	2.2E-06
199	UCART1	410534.2	3774383.13	410534.21, 3774383.13	1.49858	1.79461	18.53788	3.00753	0.37864	1.93565	0.00307	3.07E-07	2.19E-07	1.06E-05	2.07E-06	6.50E-07	4.78E-03	2.92E-07	4.79E-03	1.7E-06	5.0E-06	2.9E-06	2.6E-06	1.2E-06	5.5E-08	1.3E-06	6.9E-07	6.2E-07	1.9E-07	2.9E-06
200	UCART1	410579.2	3774383.13	410579.21, 3774383.13	1.9455	2.37842	17.95474	4.37178	0.42397	2.5564	0.00356	3.99E-07	2.90E-07	1.03E-05	3.01E-06	7.28E-07	6.31E-03	3.39E-07	6.33E-03	2.2E-06	6.6E-06	3.8E-06	3.5E-06	1.6E-06	7.3E-08	1.8E-06	9.1E-07	8.2E-07	2.5E-07	3.8E-06
201	UCART1	410624.2	3774383.13	410624.21, 3774383.13	2.47277	3.05401	17.37781	4.00404	0.47453	3.22992	0.00433	5.07E-07	3.72E-07	9.94E-06	2.76E-06	8.14E-07	7.97E-03	4.12E-07	7.99E-03	2.8E-06	8.4E-06	4.8E-06	4.4E-06	2.0E-06	9.2E-08	2.2E-06	1.1E-06	1.0E-06	3.2E-07	4.8E-06
202	UCART1	410669.2	3774383.13	410669.21, 3774383.13	2.94884	3.60113	16.76183	2.83657	0.53012	3.69052	0.00485	6.05E-07	4.39E-07	9.59E-06	1.95E-06	9.10E-07	9.11E-03	4.61E-07	9.13E-03	3.2E-06	9.5E-06	5.5E-06	5.0E-06	2.3E-06	1.1E-07	2.5E-06	1.3E-06	1.2E-06	3.6E-07	5.5E-06
203	UCART1	410714.2	3774383.13	410714.21, 3774383.13	3.13307	3.68855	16.15191	2.1197	0.59067	3.63826	0.00512	6.43E-07	4.49E-07	9.24E-06	1.46E-06	1.01E-06	8.98E-03	4.87E-07	9.00E-03	3.1E-06	9.4E-06	5.4E-06	4.9E-06	2.3E-06	1.0E-07	2.5E-06	1.3E-06	1.2E-06	3.6E-07	5.4E-06
204	UCART1	410759.2	3774383.13	410759.21, 3774383.13	2.89926	3.25369	15.51768	1.67022	0.65522	3.11963	0.00468	5.95E-07	3.96E-07	8.87E-06	1.15E-06	1.12E-06	7.70E-03	4.45E-07	7.71E-03	2.7E-06	8.1E-06	4.7E-06	4.2E-06	1.9E-06	8.9E-08	2.2E-06	1.1E-06	1.0E-06	3.0E-07	4.7E-06
205	UCART1	410804.2	3774383.13	410804.21, 3774383.13	2.41781	2.60385	14.85411	1.35506	0.72229	2.46478	0.00448	4.96E-07	3.17E-07	8.49E-06	9.33E-07	1.24E-06	6.09E-03	4.26E-07	6.10E-03	2.1E-06	6.4E-06	3.7E-06	3.3E-06	1.5E-06	7.0E-08	1.7E-06	8.8E-07	7.9E-07	2.4E-07	3.7E-06
206	UCART1	410849.2	3774383.13	410849.21, 3774383.13	1.91994	2.00186	14.02119	1.11705	0.78838	1.88575	0.00439	3.94E-07	2.44E-07	8.02E-06	7.69E-07	1.35E-06	4.66E-03	4.18E-07	4.67E-03	1.6E-06	4.9E-06	2.8E-06	2.6E-06	1.2E-06	5.4E-08	1.3E-06	6.7E-07	6.1E-07	1.8E-07	2.8E-06
207	UCART1	410894.2	3774383.13	410894.21, 3774383.13	1.51677	1.55638	12.90796	0.9352	0.84739	1.46775	0.00426	3.11E-07	1.90E-07	7.38E-06	6.44E-07	1.45E-06	3.62E-03	4.05E-07	3.63E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	4.2E-08	1.0E-06	5.2E-07	4.7E-07	1.4E-07	2.2E-06
208	UCART1	410939.2	3774383.13	410939.21, 3774383.13	1.20716	1.22644	10.45951	0.78896	0.88998	1.15959	0.00406	2.48E-07	1.49E-07	5.98E-06	5.43E-07	1.53E-06	2.86E-03	3.86E-07	2.87E-03	9.9E-07	3.0E-06	1.7E-06	1.6E-06	7.2E-07	3.3E-08	8.0E-07	4.1E-07	3.7E-07	1.1E-07	1.7E-06
209	UCART1	410984.2	3774383.13	410984.21, 3774383.13	0.98187	0.99489	5.40129	0.674	0.90333	0.94285	0.00384	2.01E-07	1.21E-07	3.09E-06	4.64E-07	1.55E-06	2.33E-03	3.65E-07	2.33E-03	8.1E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.7E-08	6.5E-07	3.4E-07	3.0E-07	9.2E-08	1.4E-06
210	UCART1	411029.2	3774383.13	411029.21, 3774383.13	0.80292	0.80993	2.68169	0.57648	0.87724	0.77004	0.00357	1.65E-07	9.86E-08	1.53E-06	3.97E-07	1.51E-06	1.90E-03	3.40E-07	1.91E-03	6.6E-07	2.0E-06	1.2E-06	1.0E-06	4.8E-07	2.2E-08	5.3E-07	2.7E-07	2.5E-07	7.5E-08	1.2E-06
211	UCART1	411074.2	3774383.13	411074.21, 3774383.13	0.67141	0.67619	1.67663	0.49909	0.81154	0.64455	0.00333	1.38E-07	8.23E-08	9.59E-07	3.44E-07	1.39E-06	1.59E-03	3.17E-07	1.59E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.8E-08	4.5E-07	2.3E-07	2.1E-07	6.3E-08	9.6E-07
212	UCART1	411119.2	3774383.13	411119.21, 3774383.13	0.56918	0.5726	1.18403	0.43537	0.72113	0.54714	0.00309	1.17E-07	6.97E-08	6.77E-07	3.00E-07	1.24E-06	1.35E-03	2.94E-07	1.35E-03	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.6E-08	3.8E-07	1.9E-07	1.8E-07	5.3E-08	8.2E-07
213	UCART1	411164.2	3774383.13	411164.21, 3774383.13	0.48779	0.49035	0.89576	0.38217	0.62563	0.46963	0.00286	1.00E-07	5.97E-08	5.12E-07	2.63E-07	1.07E-06	1.16E-03	2.72E-07	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.4E-07	2.9E-07	1.3E-08	3.2E-07	1.7E-07	1.5E-07	4.6E-08	7.0E-07
214	UCART1	411209.2	3774383.13	411209.21, 3774383.13	0.42303	0.42495	0.7102	0.33808	0.53836	0.40784	0.00262	8.68E-08	5.17E-08	4.06E-07	2.33E-07	9.24E-07	1.01E-03	2.49E-07	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.2E-08	2.8E-07	1.5E-07	1.3E-07	4.0E-08	6.1E-07
215	UCART1	411254.2	3774383.13	411254.21, 3774383.13	0.37074	0.37217	0.58084	0.30134	0.4642	0.35787	0.0024	7.61E-08	4.53E-08	3.32E-07	2.08E-07	7.97E-07	8.84E-04	2.28E-07	8.85E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	1.3E-07	1.2E-07	3.5E-08	5.3E-07
216	UCART1	411299.2	3774383.13	411299.21, 3774383.13	0.32778	0.32887	0.48644	0.27036	0.40297	0.31678	0.00219	6.73E-08	4.00E-08	2.78E-07	1.86E-07	6.92E-07	7.82E-04	2.08E-07	7.84E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	9.1E-09	2.2E-07	1.1E-07	1.0E-07	3.1E-08	4.7E-07
217	UCART1	410264.2	3774428.13	410264.21, 3774428.13	0.43357	0.47009	4.39298	0.5416	0.21113	0.49287	0.00159	8.90E-08	5.72E-08	2.51E-06	3.73E-07	3.62E-07	1.22E-03	1.51E-07	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.4E-08	3.4E-07	1.8E-07	1.6E-07	4.8E-08	7.4E-07
218	UCART1	410309.2	3774428.13	410309.21, 3774428.13	0.52227	0.57237	16.22074	0.67961	0.23488	0.60337	0.00186	1.07E-07	6.97E-08	9.28E-06	4.68E-07	4.03E-07	1.49E-03	1.77E-07	1.50E-03	5.2E-07	1.6E-06	9.1E-07	8.2E-07	3.8E-07	1.7E-08	4.2E-07	2.2E-07	2.0E-07	5.9E-08	9.1E-07
219	UCART1	410354.2	3774428.13	410354.21, 3774428.13	0.64159	0.71251	22.67763	0.88194	0.2625	0.75601	0.00218	1.32E-07	8.68E-08	1.30E-05	6.07E-07	4.51E-07	1.87E-03	2.07E-07	1.88E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.2E-08	5.3E-07	2.7E-07	2.5E-07	7.4E-08	1.1E-06
220	UCART1	410399.2	3774428.13	410399.21, 3774428.13	0.80646	0.91066	25.34453	1.19707	0.29463	0.97385	0.00254	1.65E-07	1.11E-07	1.45E-05	8.24E-07	5.06E-07	2.40E-03	2.42E-07	2.42E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	2.8E-08	6.8E-07	3.5E-07	3.2E-07	9.6E-08	1.5E-06
221	UCART1	410444.2	3774428.13	410444.21, 3774428.13	1.04106	1.20063	27.27367	1.73101	0.332	1.29595	0.00294	2.14E-07	1.46E-07	1.56E-05	1.19E-06	5.70E-07	3.20E-03	2.80E-07	3.22E-03	1.1E-06	3.4E-06	1.9E-06	1.8E-06	8.1E-07	3.7E-08	9.0E-07	4.6E-07	4.2E-07	1.3E-07	1.9E-06
222	UCART1	410489.2	3774428.13	410489.21, 3774428.13	1.38507	1.64093	29.09046	2.77132	0.3754	1.79065	0.00339	2.84E-07	2.00E-07	1.66E-05	1.91E-06	6.44E-07	4.42E-03	3.22E-07	4.44E-03	1.5E-06	4.6E-06	2.7E-06	2.4E-06	1.1E-06	5.1E-08	1.2E-06	6.4E-07	5.8E-07	1.8E-07	2.7E-06
223	UCART1	410534.2	3774428.13	410534.21, 3774428.13	1.90345	2.33232	30.88369	5.49327	0.42557	2.57263	0.00382	3.91E-07	2.84E-07	1.77E-05	3.78E-06	7.30E-07	6.35E-03	3.63E-07	6.37E-03	2.2E-06	6.7E-06	3.9E-06	3.5E-06	1.6E-06	7.4E-08	1.8E-06	9.2E-07	8.3E-07	2.5E-07	3.9E-06
224	UCART1	410579.2	3774428.13	410579.21, 3774428.13	2.69239	3.42674	32.7888	22.15211	0.48329	3.80097	0.00462	5.52E-07	4.17E-07	1.87E-05	1.53E-05	8.29E-07	9.38E-03	4.39E-07	9.42E-03	3.3E-06	9.8E-06	5.7E-06	5.2E-06	2.4E-06	1.1E-07	2.6E-06	1.4E-06	1.2E-06	3.7E-07	5.7E-06
225	UCART1	410264.2	3774473.13	410264.21, 3774473.13	0.45422	0.49108	2.46867	0.5741	0.22321	0.51591	0.00161	9.32E-08	5.98E-08	1.41E-06	3.95E-07	3.83E-07	1.27E-03	1.53E-07	1.28E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.5E-08	3.6E-07	1.8E-07	1.7E-07	5.0E-08	7.7E-07
226	UCART1	410309.2	3774473.13	410309.21, 3774473.13	0.55255	0.60382	4.12829	0.73006	0.25007	0.63829	0.00191	1.13E-07	7.35E-08	2.36E-06	5.03E-07	4.29E-07	1.58E-03	1.82E-07	1.58E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.8E-08	4.4E-07	2.3E-07	2.1E-07	6.2E-08	9.5E-07
227	UCART1	410354.2	3774473.13	410354.21, 3774473.13	0.68786	0.76189	5.67174	0.96562	0.28182	0.81157	0.00232	1.41E-07	9.28E-08	3.24E-06	6.65E-07	4.84E-07	2.00E-03	2.21E-07	2.01E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.3E-08	5.6E-07	2.9E-07	2.6E-07	7.9E-08	1.2E-06
228	UCART1	410399.2	3774473.13	410399.21, 3774473.13	0.88062	0.99253	6.70465	1.34823	0.3194	1.06751	0.00276	1.81E-07	1.21E-07	3.83E-06	9.29E-07	5.48E-07	2.64E-03	2.63E-07	2.64E-03	9.1E-07	2.8E-06	1.6E-06	1.4E-06	6.6E-07	3.1E-08	7.4E-07	3.8E-07	3.4E-07	1.0E-07	1.6E-06
229	UCART1	410444.2	3774473.13	410444.21, 3774473.13	1.16702	1.34601	7.38825	2.03771	0.36396	1.46588	0.0033	2.39E-07	1.64E-07	4.22E-06	1.40E-06	6.25E-07	3.62E-03	3.14E-07	3.63E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	4.2E-08	1.0E-06	5.2E-07	4.7E-07	1.4E-07	2.2E-06
230	UCART1	410489.2	3774473.13	410489.21, 3774473.13	1.61477	1.9228	7.87512	3.51104	0.41678	2.12948	0.00395	3.31E-07	2.34E-07	4.50E-06	2.42E-06	7.15E-07	5.26E-03	3.76E-07	5.27E-03	1.8E-06	5.5E-06	3.2E-06	2.9E-06	1.3E-06	6.1E-08	1.5E-06	7.6E-07	6.9E-07	2.1E-07	3.2E-06
231	UCART1	410534.2	3774473.13	410534.21, 3774473.13	2.36032	2.93933	8.25692	7.9507	0.47927	3.3264	0.0056	4.84E-07	3.58E-07	4.72E-06	5.48E-06	8.23E-07	8.21E-03	5.33E-07	8.22E-03	2.8E-06	8.6E-06	5.0E-06	4.5E-06	2.1E-06	9.5E-08	2.3E-06	1.2E-06	1.1E-06	3.2E-07	5.0E-06
232	UCART1	410579.2	3774473.13	410579.21, 3774473.13	3.69235	4.89582	8.5857	41.77849	0.55303	5.68805	0.00586	7.58E-07	5.96E-07	4.91E-06	2.88E-05	9.49E-07	1.40E-02	5.57E-07	1.41E-02	4.9E-06	1.5E-05	8.5E-06	7.7E-06	3.5E-06	1.6E-07	3.9E-06	2.0E-06	1.8E-06	5.6E-07	8.5E-06
233	UCART1	410264.2	3774518.13	410264.21, 3774518.13	0.46873	0.50427	1.5715	0.59574	0.23538	0.53026	0.00165	9.62E-08	6.14E-08	8.99E-07	4.10E-07	4.04E-07	1.31E-03	1.57E-07	1.31E-03	4.5E-07	1.4E-06	7.9E-07	7.2E-07	3.3E-07	1.5E-08	3.7E-07	1.9E-07	1.7E-07	5.2E-08	7.9E-07
234	UCART1	410309.2	3774518.13	410309.21, 3774518.13	0.57413	0.62379	2.13288	0.76309	0.26569	0.66027	0.00197	1.18E-07	7.60E-08	1.22E-06	5.26E-07	4.56E-07	1.63E-03	1.87E-07	1.63E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.9E-08	4.6E-07	2.3E-07	2.1E-07	6.4E-08	9.9E-07
235	UCART1	410354.2	3774518.13	410354.21, 3774518.13	0.72129	0.79366	2.71851	1.01904	0.30196	0.84712	0.00236	1.48E-07	9.66E-08	1.55E-06	7.02E-07	5.18E-07	2.09E-03	2.25E-07	2.09E-03	7.3E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.4E-08	5.8E-07	3.0E-07	2.7E-07	8.3E-08	1.3E-06
236	UCART1	410399.2	3774518.13	410399.21, 3774518.13	0.93547	1.04646	3.22264	1.44203	0.34571	1.12907	0.00285	1.92E-07	1.27E-07	1.84E-06	9.93E-07	5.93E-07	2.79E-03	2.71E-07	2.79E-03	9.7E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	3.2E-08	7.8E-07	4.0E-07	3.6E-07	1.1E-07	1.7E-06
237	UCART1	410444.2	3774518.13	410444.21, 3774518.13	1.26343	1.4452	3.59863	2.22019	0.39873	1.58223	0.00351	2.59E-07	1.76E-07	2.06E-06	1.53E-06	6.84E-07	3.91E-03	3.34E-07	3.91E-03	1.4E-06	4.1E-06	2.4E-06	2.1E-06	9.8E-07	4.5E-08	1.1E-06	5.6E-07	5.1E-07	1.5E-07	2.4E-06
238	UCART1	410489.2	3774518.13	410489.21, 3774518.13	1.80104	2.12826	3.9325	3.91572	0.46278	2.38015	0.00442	3.70E-07	2.59E-07	2.25E-06	2.70E-06	7.94E-07	5.88E-03	4.20E-07	5.88E-03	2.0E-06	6.1E-06	3.6E-06	3.2E-06	1.5E-06	6.8E-08	1.6E-06	8.5E-07	7.7E-07	2.3E-07	3.6E-06
239	UCART1	410534.2	3774518.13	410534.21, 3774518.13	2.76615	3.43309	4.14436	8.91195	0.54074	3.96186	0.00656	5.68E-07	4.18E-07	2.37E-06	6.14E-06	9.28E-07	9.78E-03	6.24E-07	9.79E-03	3.4E-06	1.0E-05	5.9E-06	5.4E-06	2.5E-06	1.1E-07	2.7E-06	1.4E-06	1.3E-06	3.9E-07	5.9E-06
240	UCART1	410579.2	3774518.13	410579.21, 3774518.13	4.73407	6.3777	4.33408	41.60466	0.63504	7.77417	0.00598	9.71E-07	7.77E-07	2.48E-06	2.87E-05	1.09E-06	1.92E-02	5.69E-07	1.92E-02	6.7E-06	2.0E-05	1.2E-05	1.1E-05	4.8E-06	2.2E-07	5.4E-06	2.8E-06	2.5E-06	7.6E-07	1.2E-05
241	UCART1	410264.2	3774563.13	410264.21, 3774563.13	0.47534	0.50788	1.11484	0.60377	0.24722	0.53393	0.00166	9.75E-08	6.18E-08	6.38E-07	4.16E-07	4.24E-07	1.32E-03	1.58E-07	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.5E-08	3.7E-07	1.9E-07	1.7E-07	5.2E-08	8.0E-07
242	UCART1	410309.2	3774563.13	410309.21, 3774563.13	0.58385	0.62907	1.39513	0.7736	0.28103	0.66573	0.00198	1.20E-07	7.66E-08	7.98E-07	5.33E-07	4.82E-07	1.64E-03	1.88E-07	1.65E-03	5.7E-07	1.7E-06	1.0E-06	9.0E-07	4.1E-07	1.9E-08	4.6E-07	2.4E-07	2.1E-07	6.5E-08	9.9E-07
243	UCART1	410354.2	3774563.13	410354.21, 3774563.13	0.7364	0.8018	1.6752	1.03252	0.32227	0.85562	0.00239	1.51E-07	9.76E-08	9.58E-07	7.11E-07	5.53E-07	2.11E-03	2.27E-07	2.12E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.4E-08	5.9E-07	3.0E-07	2.8E-07	8.3E-08	1.3E-06
244	UCART1	410399.2	3774563.13	410399.21, 3774563.13	0.96033	1.05992	1.94204	1.45763	0.37288	1.14334	0.00291	1.97E-07	1.29E-07	1.11E-06	1.00E-06	6.40E-07	2.82E-03	2.77E-07	2.83E-03	9.8E-07	3.0E-06	1.7E-06	1.6E-06	7.1E-07	3.3E-08	7.9E-07	4.1E-07	3.7E-07	1.1E-07	1.7E-06
245	UCART1	410444.2	3774563.13	410444.21, 3774563.13	1.30761	1.46966	2.17485	2.23157	0.43547	1.6089	0.00362	2.68E-07	1.79E-07	1.24E-06	1.54E-06	7.47E-07	3.97E-03	3.44E-07	3.98E-03	1.4E-06	4.2E-06	2.4E-06	2.2E-06	1.0E-06	4.6E-08	1.1E-06	5.7E-07	5.2E-07	1.6E-07	2.4E-06
246	UCART1	410489.2	3774563.13	410489.21, 3774563.13	1.88788	2.17761	2.37197	3.88793	0.51321	2.43543	0.00452	3.87E-07	2.65E-07	1.36E-06	2.68E-06	8.81E-07	6.01E-03	4.30E-07	6.02E-03	2.1E-06	6.3E-06	3.6E-06	3.3E-06	1.5E-06	7.0E-08	1.7E-06	8.7E-07	7.8E-07	2.4E-07	3.6E-06
247	UCART1	410534.2	3774563.13	410534.21, 3774563.13	2.96347	3.55473	2.53202	8.69977	0.61011	4.10704	0.00563	6.08E-07	4.33E-07	1.45E-06	5.99E-06	1.05E-06	1.01E-02	5.36E-07	1.01E-02	3.5E-06	1.1E-05	6.1E-06	5.6E-06	2.5E-06	1.2E-07	2.8E-06	1.5E-06	1.3E-06	4.0E-07	6.1E-06
248	UCART1	410579.2	3774563.13	410579.21, 3774563.13	5.28142	6.77336	2.65625	39.66616	0.73108	8.30271	0.00771	1.08E-06	8.25E-07	1.52E-06	2.73E-05	1.25E-06	2.05E-02	7.33E-07	2.05E-02	7.1E-06	2.1E-05	1.2E-05	1.1E-05	5.1E-06	2.4E-07	5.7E-06	3.0E-06	2.7E-06	8.1E-07	1.2E-05
249	UCART1	410264.2	3774608.13	410264.21, 3774608.13	0.47326	0.50139	0.84829	0.59755	0.25834	0.52641	0.00167	9.71E-08	6.11E-08	4.85E-07	4.12E-07	4.43E-07	1.30E-03	1.59E-07	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.3E-07	1.5E-08	3.6E-07	1.9E-07	1.7E-07	5.1E-08	7.9E-07
250	UCART1	410309.2	3774608.13	410309.21, 3774608.13	0.58043	0.61876	1.01171	0.76085	0.29577	0.65364	0.00199	1.19E-07	7.53E-08	5.79E-07	5.24E-07	5.08E-07	1.61E-03	1.89E-07	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.0E-07	1.9E-08	4.5E-07	2.3E-07	2.1E-07	6.4E-08	9.8E-07
251	UCART1	410354.2	3774608.13	410354.21, 3774608.13	0.73051	0.78449	1.17048	1.00529	0.34222	0.83498	0.00239	1.50E-07	9.55E-08	6.69E-07	6.92E-07	5.87E-07	2.06E-03	2.27E-07	2.06E-03	7.1E-07	2.2E-06	1.2E-06	1.1E-06	5.2E-07	2.4E-08	5.8E-07	3.0E-07	2.7E-07	8.1E-08	1.2E-06
252	UCART1	410399.2	3774608.13	410399.21, 3774608.13	0.94956	1.02882	1.32264	1.39531	0.40035	1.1055	0.00291	1.95E-07	1.25E-07	7.56E-07	9.61E-07	6.87E-07	2.73E-03	2.77E-07	2.73E-03	9.5E-07	2.9E-06	1.7E-06	1.5E-06	6.8E-07	3.2E-08	7.6E-07	3.9E-07	3.6E-07	1.1E-07	1.7E-06
253	UCART1	410444.2	3774608.13	410444.21, 3774608.13	1.28634	1.40893	1.4604	2.07429	0.4739	1.53292	0.00361	2.64E-07	1.72E-07	8.35E-07	1.43E-06	8.13E-07	3.78E-03	3.43E-07	3.79E-03	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.5E-07	4.4E-08	1.1E-06	5.4E-07	4.9E-07	1.5E-07	2.3E-06
254	UCART1	410489.2	3774608.13	410489.21, 3774608.13	1.84198	2.04491	1.58848	3.43457	0.56768	2.26283	0.00446	3.78E-07	2.49E-07	9.08E-07	2.37E-06	9.74E-07	5.59E-03	4.24E-07	5.59E-03	1.9E-06	5.8E-06	3.4E-06	3.1E-06	1.4E-06	6.5E-08	1.6E-06	8.0E-07	7.3E-07	2.2E-07	3.4E-06
255	UCART1	410534.2	3774608.13	410534.21, 3774608.13	2.84955	3.21017	1.69297	6.93457	0.68823	3.6288	0.00547	5.85E-07	3.91E-07	9.68E-07	4.78E-06	1.18E-06	8.96E-03	5.20E-07	8.97E-03	3.1E-06	9.4E-06	5.4E-06	4.9E-06	2.2E-06	1.0E-07	2.5E-06	1.3E-06	1.2E-06	3.5E-07	5.4E-06
256	UCART1	410579.2	3774608.13	410579.21, 3774608.13	4.94	5.65723	1.78723	24.30231	0.84371	6.60513	0.00661	1.01E-06	6.89E-07	1.02E-06	1.67E-05	1.45E-06	1.63E-02	6.29E-07	1.63E-02	5.7E-06	1.7E-05	9.9E-06	9.0E-06	4.1E-06	1.9E-07	4.6E-06	2.3E-06	2.1E-06	6.4E-07	9.9E-06
257	UCART1	410624.2	3774608.13	410624.21, 3774608.13	10.34232	11.77057	1.86016	32.87519	1.04512	14.14431	0.00561	2.12E-06	1.43E-06	1.06E-06	2.26E-05	1.79E-06	3.49E-02	5.34E-07	3.50E-02	1.2E-05	3.7E-05	2.1E-05	1.9E-05	8.7E-06	4.0E-07	9.8E-06	5.0E-06	4.6E-06	1.4E-06	2.1E-05
258	UCART1	410759.2	3774608.13	410759.21, 3774608.13	46.35594	22.76501	1.92516	11.92847	2.13226	18.77978	0.01796	9.51E-06	2.77E-06	1.10E-06	8.22E-06	3.66E-06	4.64E-02	1.71E-06	4.64E-02	1.6E-05	4.8E-05	2.8E-05	2.5E-05	1.2E-05	5.4E-07	1.3E-05	6.7E-06	6.0E-06	1.8E-06	2.8E-05
259	UCART1	410804.2	3774608.13	410804.21, 3774608.13	17.15509	12.26609	1.89015	6.99927	2.817	10.66565	0.02158	3.52E-06	1.49E-06	1.08E-06	4.82E-06	4.83E-06	2.63E-02	2.05E-06	2.64E-02	9.1E-06	2.8E-05	1.6E-05	1.4E-05	6.6E-06	3.0E-07	7.4E-06	3.8E-06	3.4E-06	1.0E-06	1.6E-05
260	UCART1	410354.2	3774653.13	410354.21, 3774653.13	0.70435	0.74458	0.87874	0.94488	0.36103	0.7889	0.0024	1.45E-07	9.07E-08	5.02E-07	6.51E-07	6.20E-07	1.95E-03	2.28E-07	1.95E-03	6.8E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.3E-08	5.4E-07	2.8E-07	2.5E-07	7.7E-08	1.2E-06
261	UCART1	410399.2	3774653.13	410399.21, 3774653.13	0.90509	0.96022	0.97921	1.27618	0.42693	1.02498	0.00289	1.86E-07	1.17E-07	5.60E-07	8.79E-07	7.33E-07	2.53E-03	2.75E-07	2.53E-03	8.8E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.9E-08	7.1E-07	3.6E-07	3.3E-07	1.0E-07	1.5E-06
262	UCART1	410444.2	3774653.13	410444.21, 3774653.13	1.20529	1.28194	1.06974	1.81438	0.51244	1.38039	0.00356	2.47E-07	1.56E-07	6.12E-07	1.25E-06	8.79E-07	3.41E-03	3.39E-07	3.41E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.5E-07	3.9E-08	9.5E-07	4.9E-07	4.4E-07	1.3E-07	2.1E-06
263	UCART1	410489.2	3774653.13	410489.21, 3774653.13	1.6795	1.78577	1.15232	2.76437	0.62481	1.94261	0.00435	3.45E-07	2.17E-07	6.59E-07	1.90E-06	1.07E-06	4.80E-03	4.14E-07	4.80E-03	1.7E-06	5.0E-06	2.9E-06	2.6E-06	1.2E-06	5.5E-08	1.3E-06	6.9E-07	6.3E-07	1.9E-07	2.9E-06
264	UCART1	410534.2	3774653.13	410534.21, 3774653.13	2.48311	2.61904	1.2283	4.63642	0.77418	2.87813	0.00527	5.09E-07	3.19E-07	7.02E-07	3.19E-06	1.33E-06	7.11E-03	5.01E-07	7.11E-03	2.5E-06	7.4E-06	4.3E-06	3.9E-06	1.8E-06	8.2E-08	2.0E-06	1.0E-06	9.3E-07	2.8E-07	4.3E-06
265	UCART1	410579.2	3774653.13	410579.21, 3774653.13	3.96511	4.0597	1.29008	8.52678	0.9748	4.48267	0.00597	8.14E-07	4.94E-07	7.38E-07	5.87E-06	1.67E-06	1.11E-02	5.68E-07	1.11E-02	3.8E-06	1.2E-05	6.7E-06	6.1E-06	2.8E-06	1.3E-07	3.1E-06	1.6E-06	1.4E-06	4.4E-07	6.7E-06
266	UCART1	410624.2	3774653.13	410624.21, 3774653.13	7.01351	6.54569	1.33577	14.57633	1.24642	7.10581	0.00571	1.44E-06	7.97E-07	7.64E-07	1.00E-05	2.14E-06	1.75E-02	5.43E-07	1.76E-02	6.1E-06	1.8E-05	1.1E-05	9.6E-06	4.4E-06	2.0E-07	4.9E-06	2.5E-06	2.3E-06	6.9E-07	1.1E-05
267	UCART1	410669.2	3774653.13	410669.21, 3774653.13	13.97676	9.95119	1.36507	23.81864	1.6178	10.01782	0.0041	2.87E-06	1.21E-06	7.81E-07	1.64E-05	2.78E-06	2.47E-02	3.90E-07	2.48E-02	8.6E-06	2.6E-05	1.5E-05	1.4E-05	6.2E-06	2.9E-07	6.9E-06	3.6E-06	3.2E-06	9.8E-07	1.5E-05
268	UCART1	410714.2	3774653.13	410714.21, 3774653.13	23.42795	11.51735	1.38505	33.64831	2.13489	10.63657	0.0064	4.81E-06	1.40E-06	7.92E-07	2.32E-05	3.66E-06	2.63E-02	6.09E-07	2.63E-02	9.1E-06	2.7E-05	1.6E-05	1.4E-05	6.6E-06	3.0E-07	7.3E-06	3.8E-06	3.4E-06	1.0E-06	1.6E-05
269	UCART1	410759.2	3774653.13	410759.21, 3774653.13	17.64175	9.86322	1.38192	28.21904	2.8881	8.88031	0.01737	3.62E-06	1.20E-06	7.90E-07	1.94E-05	4.96E-06	2.19E-02	1.65E-06	2.20E-02	7.6E-06	2.3E-05	1.3E-05	1.2E-05	5.5E-06	2.5E-07	6.1E-06	3.2E-06	2.9E-06	8.7E-07	1.3E-05
270	UCART1	410804.2	3774653.13	410804.21, 3774653.13	10.89227	7.42165	1.35966	11.99666	4.07476	6.71811	0.02266	2.23E-06	9.04E-07	7.78E-07	8.26E-06	6.99E-06	1.66E-02	2.16E-06	1.66E-02	5.7E-06	1.7E-05	1.0E-05	9.1E-06	4.2E-06	1.9E-07	4.6E-06	2.4E-06	2.2E-06	6.6E-07	1.0E-05
271	UCART1	410354.2	3774698.13	410354.21, 3774698.13	0.66187	0.6885	0.69072	0.86378	0.37771	0.72523	0.00237	1.36E-07	8.38E-08	3.95E-07	5.95E-07	6.48E-07	1.79E-03	2.25E-07	1.79E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	2.1E-08	5.0E-07	2.6E-07	2.3E-07	7.1E-08	1.1E-06
272	UCART1	410399.2	3774698.13	410399.21, 3774698.13	0.83512	0.8675	0.75623	1.12879	0.45149	0.91833	0.00286	1.71E-07	1.06E-07	4.32E-07	7.77E-07	7.75E-07	2.27E-03	2.72E-07	2.27E-03	7.9E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	2.6E-08	6.3E-07	3.3E-07	3.0E-07	9.0E-08	1.4E-06
273	UCART1	410444.2	3774698.13	410444.21, 3774698.13	1.08339	1.12035	0.81813	1.5257	0.54955	1.19195	0.00352	2.22E-07	1.36E-07	4.68E-07	1.05E-06	9.43E-07	2.94E-03	3.35E-07	2.95E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	3.4E-08	8.2E-07	4.2E-07	3.8E-07	1.2E-07	1.8E-06
274	UCART1	410489.2	3774698.13	410489.21, 3774698.13	1.45165	1.4857	0.8758	2.14108	0.68267	1.58735	0.00432	2.98E-07	1.81E-07	5.01E-07	1.47E-06	1.17E-06	3.92E-03	4.11E-07	3.92E-03	1.4E-06	4.1E-06	2.4E-06	2.2E-06	9.8E-07	4.5E-08	1.1E-06	5.6E-07	5.1E-07	1.5E-07	2.4E-06
275	UCART1	410534.2	3774698.13	410534.21, 3774698.13	2.01808	2.0206	0.9269	3.10764	0.86707	2.16171	0.00521	4.14E-07	2.46E-07	5.30E-07	2.14E-06	1.49E-06	5.34E-03	4.96E-07	5.34E-03	1.8E-06	5.6E-06	3.2E-06	2.9E-06	1.3E-06	6.2E-08	1.5E-06	7.7E-07	7.0E-07	2.1E-07	3.2E-06
276	UCART1	410579.2	3774698.13	410579.21, 3774698.13	2.91398	2.7908	0.97101	4.55636	1.12691	2.9674	0.00582	5.98E-07	3.40E-07	5.55E-07	3.14E-06	1.93E-06	7.33E-03	5.54E-07	7.33E-03	2.5E-06	7.7E-06	4.4E-06	4.0E-06	1.8E-06	8.5E-08	2.0E-06	1.1E-06	9.6E-07	2.9E-07	4.4E-06
277	UCART1	410624.2	3774698.13	410624.21, 3774698.13	4.31933	3.79824	1.00475	6.56437	1.49859	3.95432	0.00558	8.86E-07	4.63E-07	5.75E-07	4.52E-06	2.57E-06	9.76E-03	5.31E-07	9.77E-03	3.4E-06	1.0E-05	5.9E-06	5.4E-06	2.4E-06	1.1E-07	2.7E-06	1.4E-06	1.3E-06	3.9E-07	5.9E-06
278	UCART1	410669.2	3774698.13	410669.21, 3774698.13	6.23708	4.78373	1.02654	9.92003	2.03813	4.786	0.00503	1.28E-06	5.83E-07	5.87E-07	6.83E-06	3.50E-06	1.18E-02	4.79E-07	1.18E-02	4.1E-06	1.2E-05	7.2E-06	6.5E-06	3.0E-06	1.4E-07	3.3E-06	1.7E-06	1.5E-06	4.7E-07	7.1E-06
279	UCART1	410714.2	3774698.13	410714.21, 3774698.13	7.62144	5.18878	1.03667	19.48338	2.84209	4.97644	0.00638	1.56E-06	6.32E-07	5.93E-07	1.34E-05	4.88E-06	1.23E-02	6.07E-07	1.23E-02	4.3E-06	1.3E-05	7.4E-06	6.8E-06	3.1E-06	1.4E-07	3.4E-06	1.8E-06	1.6E-06	4.9E-07	7.4E-06
280	UCART1	410759.2	3774698.13	410759.21, 3774698.13	7.25866	4.88751	1.03277	30.26629	4.11922	4.59588	0.01212	1.49E-06	5.95E-07	5.91E-07	2.08E-05	7.07E-06	1.13E-02	1.15E-06	1.14E-02	3.9E-06	1.2E-05	6.9E-06	6.2E-06	2.8E-06	1.3E-07	3.2E-06	1.6E-06	1.5E-06	4.5E-07	6.9E-06
281	UCART1	410804.2	3774698.13	410804.21, 3774698.13	6.02445	4.29366	1.01974	27.90742	6.42969	4.01	0.01798	1.24E-06	5.23E-07	5.83E-07	1.92E-05	1.10E-05	9.90E-03	1.71E-06	9.93E-03	3.4E-06	1.0E-05	6.0E-06	5.4E-06	2.5E-06	1.1E-07	2.8E-06	1.4E-06	1.3E-06	3.9E-07	6.0E-06
282	UCART1	410444.2	3774743.13	410444.21, 3774743.13	0.94523	0.95501	0.64921	1.26403	0.58229	1.00437	0.00337	1.94E-07	1.16E-07	3.71E-07	8.71E-07	9.99E-07	2.48E-03	3.21E-07	2.48E-03	8.6E-07	2.6E-06	1.5E-06	1.4E-06	6.2E-07	2.9E-08	6.9E-07	3.6E-07	3.2E-07	9.8E-08	1.5E-06
283	UCART1	410489.2	3774743.13	410489.21, 3774743.13	1.21319	1.20706	0.68977	1.66311	0.73729	1.26983	0.00405	2.49E-07	1.47E-07	3.94E-07	1.15E-06	1.27E-06	3.14E-03	3.85E-07	3.14E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.9E-07	3.6E-08	8.8E-07	4.5E-07	4.1E-07	1.2E-07	1.9E-06
284	UCART1	410534.2	3774743.13	410534.21, 3774743.13	1.58541	1.53755	0.72575	2.21531	0.9624	1.61268	0.00472	3.25E-07	1.87E-07	4.15E-07	1.53E-06	1.65E-06	3.98E-03	4.49E-07	3.99E-03	1.4E-06	4.2E-06	2.4E-06	2.2E-06	1.0E-06	4.6E-08	1.1E-06	5.7E-07	5.2E-07	1.6E-07	2.4E-06
285	UCART1	410579.2	3774743.13	410579.21, 3774743.13	2.09387	1.94922	0.75631	2.95601	1.30008	2.02676	0.00513	4.30E-07	2.37E-07	4.32E-07	2.04E-06	2.23E-06	5.00E-03	4.88E-07	5.01E-03	1.7E-06	5.2E-06	3.0E-06	2.7E-06	1.3E-06	5.8E-08	1.4E-06	7.2E-07	6.5E-07	2.0E-07	3.0E-06
286	UCART1	410624.2	3774743.13	410624.21, 3774743.13	2.73993	2.40233	0.781	3.95575	1.82014	2.45643	0.00503	5.62E-07	2.93E-07	4.47E-07	2.72E-06	3.12E-06	6.06E-03	4.79E-07	6.07E-03	2.1E-06	6.3E-06	3.7E-06	3.3E-06	1.5E-06	7.0E-08	1.7E-06	8.7E-07	7.9E-07	2.4E-07	3.7E-06
287	UCART1	410669.2	3774743.13	410669.21, 3774743.13	3.4091	2.7813	0.79748	5.51208	2.64069	2.77654	0.00499	6.99E-07	3.39E-07	4.56E-07	3.80E-06	4.53E-06	6.85E-03	4.75E-07	6.87E-03	2.4E-06	7.2E-06	4.2E-06	3.8E-06	1.7E-06	7.9E-08	1.9E-06	9.9E-07	8.9E-07	2.7E-07	4.1E-06
288	UCART1	410714.2	3774743.13	410714.21, 3774743.13	3.81627	2.9456	0.80508	8.6283	3.98899	2.87236	0.00584	7.83E-07	3.59E-07	4.60E-07	5.94E-06	6.85E-06	7.09E-03	5.56E-07	7.11E-03	2.5E-06	7.4E-06	4.3E-06	3.9E-06	1.8E-06	8.2E-08	2.0E-06	1.0E-06	9.3E-07	2.8E-07	4.3E-06
289	UCART1	410759.2	3774743.13	410759.21, 3774743.13	3.79229	2.87103	0.80331	17.63541	6.45018	2.75192	0.0087	7.78E-07	3.50E-07	4.59E-07	1.21E-05	1.11E-05	6.79E-03	8.28E-07	6.82E-03	2.4E-06	7.1E-06	4.1E-06	3.7E-06	1.7E-06	7.9E-08	1.9E-06	9.8E-07	8.9E-07	2.7E-07	4.1E-06
290	UCART1	410804.2	3774743.13	410804.21, 3774743.13	3.46612	2.65095	0.79225	27.77536	12.17196	2.52241	0.01271	7.11E-07	3.23E-07	4.53E-07	1.91E-05	2.09E-05	6.23E-03	1.21E-06	6.27E-03	2.2E-06	6.6E-06	3.8E-06	3.4E-06	1.6E-06	7.2E-08	1.8E-06	9.0E-07	8.2E-07	2.5E-07	3.8E-06
291	UCART1	410444.2	3774788.13	410444.21, 3774788.13	0.81004	0.80439	0.52944	1.04577	0.60686	0.83738	0.00311	1.66E-07	9.79E-08	3.03E-07	7.20E-07	1.04E-06	2.07E-03	2.96E-07	2.07E-03	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.4E-08	5.8E-07	3.0E-07	2.7E-07	8.2E-08	1.3E-06
292	UCART1	410489.2	3774788.13	410489.21, 3774788.13	0.99817	0.97506	0.55875	1.31204	0.78228	1.01344	0.00361	2.05E-07	1.19E-07	3.20E-07	9.04E-07	1.34E-06	2.50E-03	3.43E-07	2.51E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.9E-08	7.0E-07	3.6E-07	3.3E-07	9.9E-08	1.5E-06
293	UCART1	410534.2	3774788.13	410534.21, 3774788.13	1.23669	1.17981	0.58438	1.65436	1.05086	1.2208	0.00405	2.54E-07	1.44E-07	3.34E-07	1.14E-06	1.80E-06	3.01E-03	3.85E-07	3.02E-03	1.0E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	3.5E-08	8.4E-07	4.3E-07	3.9E-07	1.2E-07	1.8E-06
294	UCART1	410579.2	3774788.13	410579.21, 3774788.13	1.52638	1.40959	0.60619	2.08894	1.48627	1.44663	0.00426	3.13E-07	1.72E-07	3.47E-07	1.44E-06	2.55E-06	3.57E-03	4.05E-07	3.58E-03	1.2E-06	3.7E-06	2.2E-06	2.0E-06	9.0E-07	4.1E-08	1.0E-06	5.1E-07	4.7E-07	1.4E-07	2.2E-06
295	UCART1	410624.2	3774788.13	410624.21, 3774788.13	1.846	1.6369	0.62382	2.65142	2.23322	1.65899	0.00426	3.79E-07	1.99E-07	3.57E-07	1.83E-06	3.83E-06	4.10E-03	4.05E-07	4.10E-03	1.4E-06	4.3E-06	2.5E-06	2.3E-06	1.0E-06	4.7E-08	1.1E-06	5.9E-07	5.3E-07	1.6E-07	2.5E-06
296	UCART1	410669.2	3774788.13	410669.21, 3774788.13	2.1342	1.81377	0.63623	3.4423	3.5792	1.80952	0.00439	4.38E-07	2.21E-07	3.64E-07	2.37E-06	6.14E-06	4.47E-03	4.18E-07	4.48E-03	1.5E-06	4.7E-06	2.7E-06	2.5E-06	1.1E-06	5.2E-08	1.3E-06	6.4E-07	5.8E-07	1.8E-07	2.7E-06
297	UCART1	410714.2	3774788.13	410714.21, 3774788.13	2.30204	1.89402	0.6419	4.70872	6.17789	1.86029	0.00499	4.72E-07	2.31E-07	3.67E-07	3.24E-06	1.06E-05	4.59E-03	4.75E-07	4.61E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.2E-06	5.3E-08	1.3E-06	6.6E-07	6.0E-07	1.8E-07	2.8E-06
298	UCART1	410759.2	3774788.13	410759.21, 3774788.13	2.30797	1.8669	0.63983	7.0874	12.30655	1.80945	0.00653	4.74E-07	2.27E-07	3.66E-07	4.88E-06	2.11E-05	4.47E-03	6.21E-07	4.50E-03	1.6E-06	4.7E-06	2.7E-06	2.5E-06	1.1E-06	5.2E-08	1.3E-06	6.5E-07	5.9E-07	1.8E-07	2.7E-06
299	UCART1	410804.2	3774788.13	410804.21, 3774788.13	2.1746	1.75866	0.63103	12.49173	38.29943	1.69324	0.00882	4.46E-07	2.14E-07	3.61E-07	8.60E-06	6.57E-05	4.18E-03	8.39E-07	4.26E-03	1.5E-06	4.4E-06	2.6E-06	2.3E-06	1.1E-06	4.9E-08	1.2E-06	6.1E-07	5.5E-07	1.7E-07	2.6E-06
300	UCART1	410489.2	3774833.13	410489.21, 3774833.13	0.81906	0.79086	0.46247	1.05078	0.80877	0.81378	0.00313	1.68E-07	9.63E-08	2.64E-07	7.24E-07	1.39E-06	2.01E-03	2.98E-07	2.01E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.3E-08	5.6E-07	2.9E-07	2.6E-07	7.9E-08	1.2E-06
301	UCART1	410534.2	3774833.13	410534.21, 3774833.13	0.97247	0.92012	0.48112	1.27321	1.11446	0.94219	0.00337	2.00E-07	1.12E-07	2.75E-07	8.77E-07	1.91E-06	2.33E-03	3.21E-07	2.33E-03	8.1E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.7E-08	6.5E-07	3.3E-07	3.0E-07	9.2E-08	1.4E-06
302	UCART1	410579.2	3774833.13	410579.21, 3774833.13	1.14347	1.05614	0.49707	1.54352	1.65591	1.07446	0.00349	2.35E-07	1.29E-07	2.84E-07	1.06E-06	2.84E-06	2.65E-03	3.32E-07	2.66E-03	9.2E-07	2.8E-06	1.6E-06	1.5E-06	6.7E-07	3.1E-08	7.4E-07	3.8E-07	3.5E-07	1.0E-07	1.6E-06
303	UCART1	410624.2	3774833.13	410624.21, 3774833.13	1.31552	1.18208	0.50968	1.8733	2.74303	1.19202	0.00356	2.70E-07	1.44E-07	2.91E-07	1.29E-06	4.71E-06	2.94E-03	3.39E-07	2.95E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	3.4E-08	8.2E-07	4.2E-07	3.8E-07	1.2E-07	1.8E-06
304	UCART1	410669.2	3774833.13	410669.21, 3774833.13	1.45972	1.27601	0.51858	2.28936	5.24272	1.27282	0.00375	3.00E-07	1.55E-07	2.97E-07	1.58E-06	9.00E-06	3.14E-03	3.57E-07	3.15E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.9E-07	3.6E-08	8.8E-07	4.5E-07	4.1E-07	1.2E-07	1.9E-06
305	UCART1	410714.2	3774833.13	410714.21, 3774833.13	1.54223	1.31687	0.52155	2.83206	11.85195	1.29725	0.00419	3.16E-07	1.60E-07	2.98E-07	1.95E-06	2.03E-05	3.20E-03	3.99E-07	3.23E-03	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.1E-07	3.7E-08	9.0E-07	4.6E-07	4.2E-07	1.3E-07	1.9E-06
306	UCART1	410759.2	3774833.13	410759.21, 3774833.13	1.54087	1.29867	0.51955	3.52659	40.7599	1.2681	0.00498	3.16E-07	1.58E-07	2.97E-07	2.43E-06	7.00E-05	3.13E-03	4.74E-07	3.20E-03	1.1E-06	3.3E-06	1.9E-06	1.8E-06	8.0E-07	3.7E-08	8.9E-07	4.6E-07	4.2E-07	1.3E-07	1.9E-06
307	UCART1	410489.2	3774878.13	410489.21, 3774878.13	0.6757	0.64905	0.39047	0.85434	0.80693	0.66359	0.00265	1.39E-07	7.90E-08	2.23E-07	5.88E-07	1.38E-06	1.64E-03	2.52E-07	1.64E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.9E-08	4.6E-07	2.4E-07	2.1E-07	6.5E-08	9.9E-07
308	UCART1	410534.2	3774878.13	410534.21, 3774878.13	0.77554	0.73122	0.40374	1.0015	1.12682	0.74398	0.00278	1.59E-07	8.90E-08	2.31E-07	6.90E-07	1.93E-06	1.84E-03	2.64E-07	1.84E-03	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	2.1E-08	5.1E-07	2.6E-07	2.4E-07	7.3E-08	1.1E-06
309	UCART1	410579.2	3774878.13	410579.21, 3774878.13	0.88081	0.81493	0.41538	1.17352	1.73514	0.82438	0.00286	1.81E-07	9.92E-08	2.38E-07	8.08E-07	2.98E-06	2.04E-03	2.72E-07	2.04E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.4E-08	5.7E-07	2.9E-07	2.7E-07	8.1E-08	1.2E-06
310	UCART1	410624.2	3774878.13	410624.21, 3774878.13	0.98102	0.89	0.42453	1.37081	3.20473	0.89386	0.00296	2.01E-07	1.08E-07	2.43E-07	9.44E-07	5.50E-06	2.21E-03	2.82E-07	2.21E-03	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	2.6E-08	6.2E-07	3.2E-07	2.9E-07	8.7E-08	1.3E-06
311	UCART1	410669.2	3774878.13	410669.21, 3774878.13	1.06199	0.9463	0.43101	1.59524	8.6106	0.94279	0.00314	2.18E-07	1.15E-07	2.46E-07	1.10E-06	1.48E-05	2.33E-03	2.99E-07	2.34E-03	8.1E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	2.7E-08	6.5E-07	3.4E-07	3.1E-07	9.3E-08	1.4E-06
312	UCART1	410714.2	3774878.13	410714.21, 3774878.13	1.09658	0.96095	0.43075	1.82511	29.15034	0.94987	0.00339	2.25E-07	1.17E-07	2.46E-07	1.26E-06	5.00E-05	2.35E-03	3.22E-07	2.40E-03	8.3E-07	2.5E-06	1.5E-06	1.3E-06	6.0E-07	2.8E-08	6.7E-07	3.4E-07	3.1E-07	9.5E-08	1.4E-06

OPERATIONAL RISK (UNMITIGATED)

COMBINED RISK

Discrete Receptor ID				Concentration [ug/m^3]		Residential Dose						Risk by Age Group						
				Construction	Operations	Construction		Operations				Construction		Operations				
	X	Y	X, Y	Total	Total	3rd Tri	C 0<2	O 0<2	2<9	9<16	16<30	3rd Tri	C 0<2	O 0<2	2<9	9<16	16<30	Total Risk
1 UCART1	410264.2	3774023.13	410264.21, 3774023.13	8.52E-04	5.66E-04	2.9E-07	8.9E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	1.2E-08	1.0E-07	1.2E-07	1.1E-07	1.0E-07	2.2E-08	4.7E-07
2 UCART1	410309.2	3774023.13	410309.21, 3774023.13	9.36E-04	6.14E-04	3.2E-07	9.8E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	1.3E-08	1.2E-07	1.3E-07	1.2E-07	1.1E-07	2.4E-08	5.1E-07
3 UCART1	410354.2	3774023.13	410354.21, 3774023.13	1.02E-03	6.65E-04	3.5E-07	1.1E-06	7.0E-07	4.0E-07	3.6E-07	1.7E-07	1.4E-08	1.3E-07	1.4E-07	1.3E-07	1.2E-07	2.6E-08	5.6E-07
4 UCART1	410399.2	3774023.13	410399.21, 3774023.13	1.11E-03	7.16E-04	3.8E-07	1.2E-06	7.5E-07	4.3E-07	3.9E-07	1.8E-07	1.5E-08	1.4E-07	1.5E-07	1.4E-07	1.3E-07	2.8E-08	6.0E-07
5 UCART1	410444.2	3774023.13	410444.21, 3774023.13	1.19E-03	7.65E-04	4.1E-07	1.2E-06	8.0E-07	4.6E-07	4.2E-07	1.9E-07	1.6E-08	1.5E-07	1.6E-07	1.5E-07	1.4E-07	3.0E-08	6.4E-07
6 UCART1	410489.2	3774023.13	410489.21, 3774023.13	1.26E-03	8.08E-04	4.4E-07	1.3E-06	8.4E-07	4.9E-07	4.4E-07	2.0E-07	1.7E-08	1.6E-07	1.7E-07	1.6E-07	1.5E-07	3.2E-08	6.8E-07
7 UCART1	410534.2	3774023.13	410534.21, 3774023.13	1.31E-03	8.44E-04	4.5E-07	1.4E-06	8.8E-07	5.1E-07	4.6E-07	2.1E-07	1.8E-08	1.6E-07	1.7E-07	1.7E-07	1.5E-07	3.3E-08	7.1E-07
8 UCART1	410579.2	3774023.13	410579.21, 3774023.13	1.34E-03	8.70E-04	4.6E-07	1.4E-06	9.1E-07	5.3E-07	4.8E-07	2.2E-07	1.8E-08	1.6E-07	1.8E-07	1.7E-07	1.6E-07	3.4E-08	7.3E-07
9 UCART1	410624.2	3774023.13	410624.21, 3774023.13	1.34E-03	8.83E-04	4.7E-07	1.4E-06	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.8E-08	1.7E-07	1.8E-07	1.8E-07	1.6E-07	3.5E-08	7.4E-07
10 UCART1	410669.2	3774023.13	410669.21, 3774023.13	1.32E-03	8.85E-04	4.6E-07	1.4E-06	9.2E-07	5.4E-07	4.9E-07	2.2E-07	1.8E-08	1.6E-07	1.8E-07	1.8E-07	1.6E-07	3.5E-08	7.3E-07
11 UCART1	410714.2	3774023.13	410714.21, 3774023.13	1.29E-03	8.74E-04	4.5E-07	1.3E-06	9.1E-07	5.3E-07	4.8E-07	2.2E-07	1.7E-08	1.6E-07	1.8E-07	1.7E-07	1.6E-07	3.5E-08	7.2E-07
12 UCART1	410759.2	3774023.13	410759.21, 3774023.13	1.23E-03	8.53E-04	4.3E-07	1.3E-06	8.9E-07	5.2E-07	4.7E-07	2.1E-07	1.7E-08	1.5E-07	1.8E-07	1.7E-07	1.5E-07	3.4E-08	7.0E-07
13 UCART1	410804.2	3774023.13	410804.21, 3774023.13	1.17E-03	8.24E-04	4.1E-07	1.2E-06	8.6E-07	5.0E-07	4.5E-07	2.1E-07	1.6E-08	1.4E-07	1.7E-07	1.6E-07	1.5E-07	3.3E-08	6.8E-07
14 UCART1	410849.2	3774023.13	410849.21, 3774023.13	1.10E-03	7.88E-04	3.8E-07	1.1E-06	8.2E-07	4.8E-07	4.3E-07	2.0E-07	1.5E-08	1.4E-07	1.6E-07	1.6E-07	1.4E-07	3.1E-08	6.4E-07
15 UCART1	410894.2	3774023.13	410894.21, 3774023.13	1.02E-03	7.47E-04	3.5E-07	1.1E-06	7.8E-07	4.5E-07	4.1E-07	1.9E-07	1.4E-08	1.3E-07	1.5E-07	1.5E-07	1.4E-07	2.9E-08	6.1E-07
16 UCART1	410939.2	3774023.13	410939.21, 3774023.13	9.50E-04	7.03E-04	3.3E-07	9.9E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	1.3E-08	1.2E-07	1.4E-07	1.4E-07	1.3E-07	2.8E-08	5.7E-07
17 UCART1	410984.2	3774023.13	410984.21, 3774023.13	8.78E-04	6.59E-04	3.0E-07	9.2E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	1.2E-08	1.1E-07	1.4E-07	1.3E-07	1.2E-07	2.6E-08	5.3E-07
18 UCART1	411029.2	3774023.13	411029.21, 3774023.13	8.09E-04	6.15E-04	2.8E-07	8.5E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	1.1E-08	1.0E-07	1.3E-07	1.2E-07	1.1E-07	2.4E-08	5.0E-07
19 UCART1	411074.2	3774023.13	411074.21, 3774023.13	7.45E-04	5.73E-04	2.6E-07	7.8E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	1.0E-08	9.2E-08	1.2E-07	1.1E-07	1.0E-07	2.3E-08	4.6E-07
20 UCART1	411119.2	3774023.13	411119.21, 3774023.13	6.87E-04	5.32E-04	2.4E-07	7.2E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	9.3E-09	8.5E-08	1.1E-07	1.1E-07	9.6E-08	2.1E-08	4.3E-07
21 UCART1	411164.2	3774023.13	411164.21, 3774023.13	6.33E-04	4.94E-04	2.2E-07	6.6E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	8.6E-09	7.8E-08	1.0E-07	9.9E-08	8.9E-08	2.0E-08	4.0E-07
22 UCART1	411209.2	3774023.13	411209.21, 3774023.13	5.85E-04	4.59E-04	2.0E-07	6.1E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	8.0E-09	7.2E-08	9.4E-08	9.2E-08	8.3E-08	1.8E-08	3.7E-07
23 UCART1	411254.2	3774023.13	411254.21, 3774023.13	5.42E-04	4.27E-04	1.9E-07	5.7E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	7.4E-09	6.7E-08	8.8E-08	8.5E-08	7.7E-08	1.7E-08	3.4E-07
24 UCART1	411299.2	3774023.13	411299.21, 3774023.13	5.03E-04	3.97E-04	1.7E-07	5.3E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	6.8E-09	6.2E-08	8.1E-08	7.9E-08	7.2E-08	1.6E-08	3.2E-07
25 UCART1	410264.2	3774068.13	410264.21, 3774068.13	9.48E-04	6.20E-04	3.3E-07	9.9E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	1.3E-08	1.2E-07	1.3E-07	1.2E-07	1.1E-07	2.4E-08	5.2E-07
26 UCART1	410309.2	3774068.13	410309.21, 3774068.13	1.06E-03	6.80E-04	3.7E-07	1.1E-06	7.1E-07	4.1E-07	3.7E-07	1.7E-07	1.4E-08	1.3E-07	1.4E-07	1.4E-07	1.2E-07	2.7E-08	5.7E-07
27 UCART1	410354.2	3774068.13	410354.21, 3774068.13	1.17E-03	7.44E-04	4.1E-07	1.2E-06	7.8E-07	4.5E-07	4.1E-07	1.9E-07	1.6E-08	1.4E-07	1.5E-07	1.5E-07	1.3E-07	2.9E-08	6.3E-07
28 UCART1	410399.2	3774068.13	410399.21, 3774068.13	1.29E-03	8.11E-04	4.5E-07	1.4E-06	8.5E-07	4.9E-07	4.4E-07	2.0E-07	1.8E-08	1.6E-07	1.7E-07	1.6E-07	1.5E-07	3.2E-08	6.8E-07
29 UCART1	410444.2	3774068.13	410444.21, 3774068.13	1.41E-03	8.76E-04	4.9E-07	1.5E-06	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.9E-08	1.7E-07	1.8E-07	1.7E-07	1.6E-07	3.5E-08	7.4E-07
30 UCART1	410489.2	3774068.13	410489.21, 3774068.13	1.51E-03	9.37E-04	5.2E-07	1.6E-06	9.8E-07	5.7E-07	5.1E-07	2.3E-07	2.1E-08	1.9E-07	1.9E-07	1.9E-07	1.7E-07	3.7E-08	7.9E-07
31 UCART1	410534.2	3774068.13	410534.21, 3774068.13	1.60E-03	9.89E-04	5.5E-07	1.7E-06	1.0E-06	6.0E-07	5.4E-07	2.5E-07	2.2E-08	2.0E-07	2.0E-07	2.0E-07	1.8E-07	3.9E-08	8.4E-07
32 UCART1	410579.2	3774068.13	410579.21, 3774068.13	1.65E-03	1.03E-03	5.7E-07	1.7E-06	1.1E-06	6.2E-07	5.6E-07	2.6E-07	2.2E-08	2.0E-07	2.1E-07	2.1E-07	1.9E-07	4.1E-08	8.7E-07
33 UCART1	410624.2	3774068.13	410624.21, 3774068.13	1.66E-03	1.05E-03	5.7E-07	1.7E-06	1.1E-06	6.3E-07	5.8E-07	2.6E-07	2.3E-08	2.0E-07	2.2E-07	2.1E-07	1.9E-07	4.1E-08	8.8E-07
34 UCART1	410669.2	3774068.13	410669.21, 3774068.13	1.64E-03	1.05E-03	5.7E-07	1.7E-06	1.1E-06	6.4E-07	5.8E-07	2.6E-07	2.2E-08	2.0E-07	2.2E-07	2.1E-07	1.9E-07	4.2E-08	8.8E-07
35 UCART1	410714.2	3774068.13	410714.21, 3774068.13	1.58E-03	1.04E-03	5.5E-07	1.7E-06	1.1E-06	6.3E-07	5.7E-07	2.6E-07	2.2E-08	2.0E-07	2.1E-07	2.1E-07	1.9E-07	4.1E-08	8.7E-07
36 UCART1	410759.2	3774068.13	410759.21, 3774068.13	1.51E-03	1.01E-03	5.2E-07	1.6E-06	1.1E-06	6.1E-07	5.5E-07	2.5E-07	2.1E-08	1.9E-07	2.1E-07	2.0E-07	1.8E-07	4.0E-08	8.4E-07
37 UCART1	410804.2	3774068.13	410804.21, 3774068.13	1.42E-03	9.70E-04	4.9E-07	1.5E-06	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.9E-08	1.7E-07	2.0E-07	1.9E-07	1.8E-07	3.8E-08	8.0E-07
38 UCART1	410849.2	3774068.13	410849.21, 3774068.13	1.32E-03	9.21E-04	4.6E-07	1.4E-06	9.6E-07	5.6E-07	5.1E-07	2.3E-07	1.8E-08	1.6E-07	1.9E-07	1.8E-07	1.7E-07	3.6E-08	7.6E-07
39 UCART1	410894.2	3774068.13	410894.21, 3774068.13	1.21E-03	8.66E-04	4.2E-07	1.3E-06	9.0E-07	5.2E-07	4.7E-07	2.2E-07	1.6E-08	1.5E-07	1.8E-07	1.7E-07	1.6E-07	3.4E-08	7.1E-07
40 UCART1	410939.2	3774068.13	410939.21, 3774068.13	1.11E-03	8.08E-04	3.8E-07	1.2E-06	8.4E-07	4.9E-07	4.4E-07	2.0E-07	1.5E-08	1.4E-07	1.7E-07	1.6E-07	1.5E-07	3.2E-08	6.6E-07
41 UCART1	410984.2	3774068.13	410984.21, 3774068.13	1.01E-03	7.49E-04	3.5E-07	1.1E-06	7.8E-07	4.5E-07	4.1E-07	1.9E-07	1.4E-08	1.2E-07	1.5E-07	1.5E-07	1.4E-07	3.0E-08	6.1E-07
42 UCART1	411029.2	3774068.13	411029.21, 3774068.13	9.24E-04	6.93E-04	3.2E-07	9.7E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	1.3E-08	1.1E-07	1.4E-07	1.4E-07	1.3E-07	2.7E-08	5.6E-07
43 UCART1	411074.2	3774068.13	411074.21, 3774068.13	8.43E-04	6.39E-04	2.9E-07	8.8E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	1.1E-08	1.0E-07	1.3E-07	1.3E-07	1.2E-07	2.5E-08	5.1E-07
44 UCART1	411119.2	3774068.13	411119.21, 3774068.13	7.69E-04	5.89E-04	2.7E-07	8.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	1.0E-08	9.5E-08	1.2E-07	1.2E-07	1.1E-07	2.3E-08	4.7E-07
45 UCART1	411164.2	3774068.13	411164.21, 3774068.13	7.04E-04	5.42E-04	2.4E-07	7.4E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	9.6E-09	8.7E-08	1.1E-07	1.1E-07	9.8E-08	2.1E-08	4.4E-07
46 UCART1	411209.2	3774068.13	411209.21, 3774068.13	6.46E-04	5.00E-04	2.2E-07	6.8E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	8.8E-09	8.0E-08	1.0E-07	1.0E-07	9.1E-08	2.0E-08	4.0E-07
47 UCART1	411254.2	3774068.13	411254.21, 3774068.13	5.94E-04	4.62E-04	2.1E-07	6.2E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	8.1E-09	7.3E-08	9.5E-08	9.2E-08	8.4E-08	1.8E-08	3.7E-07
48 UCART1	411299.2	3774068.13	411299.21, 3774068.13	5.47E-04	4.27E-04	1.9E-07	5.7E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	7.4E-09	6.7E-08	8.8E-08	8.5E-08	7.7E-08	1.7E-08	3.4E-07
49 UCART1	410264.2	3774113.13	410264.21, 3774113.13	1.06E-03	6.81E-04	3.7E-07	1.1E-06	7.1E-07	4.1E-07	3.7E-07	1.7E-07	1.4E-08	1.3E-07	1.4E-07	1.4E-07	1.2E-07	2.7E-08	5.7E-07
50 UCART1	410309.2	3774113.13	410309.21, 3774113.13	1.20E-03	7.55E-04	4.1E-07	1.3E-06	7.9E-07	4.6E-07	4.1E-07	1.9E-07	1.6E-08	1.5E-07	1.5E-07	1.5E-07	1.4E-07	3.0E-08	6.4E-07
51 UCART1	410354.2	3774113.13	410354.21, 3774113.13	1.35E-03	8.36E-04	4.7E-07	1.4E-06	8.7E-07	5.1E-07	4.6E-07	2.1E-07	1.8E-08	1.7E-07	1.7E-07	1.7E-07	1.5E-07	3.3E-08	7.1E-07
52 UCART1	410399.2	3774113.13	410399.21, 3774113.13	1.52E-03	9.23E-04	5.3E-07	1.6E-06	9.7E-07	5.6E-07	5.1E-07	2.3E-07	2.1E-08	1.9E-07	1.9E-07	1.8E-07	1.7E-07	3.6E-08	7.9E-07
53 UCART1	410444.2	3774113.13	410444.21, 3774113.13	1.69E-03	1.01E-03	5.9E-07	1.8E-06	1.1E-06	6.1E-07	5.6E-07	2.5E-07	2.3E-08	2.1E-07	2.1E-07	2.0E-07	1.8E-07	4.0E-08	8.6E-07
54 UCART1	410489.2	3774113.13	410489.21, 3774113.13	1.85E-03	1.10E-03	6.4E-07	1.9E-06	1.1E-06	6.6E-07	6.0E-07	2.7E-07	2.5E-08	2.3E-07	2.3E-07	2.2E-07	2.0E-07	4.3E-08	9.4E-07
55 UCART1	410534.2	3774113.13	410534.21, 3774113.13	1.98E-03	1.17E-03	6.9E-07	2.1E-06	1.2E-06	7.1E-07	6.4E-07	2.9E-07	2.7E-08	2.4E-07	2.4E-07	2.3E-07	2.1E-07	4.6E-08	1.0E-06
56 UCART1	410579.2	3774113.13	410579.21, 3774113.13	2.07E-03	1.23E-03	7.2E-07	2.2E-06	1.3E-06	7.5E-07	6.8E-07	3.1E-07	2.8E-08	2.5E-07	2.5E-07	2.5E-07	2.2E-07	4.9E-08	1.1E-06
57 UCART1	410624.2	3774113.13	410624.21, 3774113.13	2.10E-03	1.27E-03	7.3E-07	2.2E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	2.9E-08	2.6E-07	2.6E-07	2.5E-07	2.3E-07	5.0E-08	1.1E-06
58 UCART1	410669.2	3774113.13	410669.21, 3774113.13	2.08E-03	1.28E-03	7.2E-07	2.2E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	2.8E-08	2.6E-07	2.6E-07	2.5E-07	2.3E-07	5.0E-08	1.1E-06
59 UCART1	410714.2	3774113.13	410714.21, 3774113.13	2.00E-03	1.26E-03	6.9E-07	2.1E-06	1.3E-06	7.6E-07	6.9E-07	3.2E-07	2.7E-08	2.5E-07	2.6E-07	2.5E-07	2.3E-07	5.0E-08	1.1E-06
60 UCART1	410759.2	3774113.13	410759.21, 3774113.13	1.89E-03	1.22E-03	6.5E-07	2.0E-06	1.3E-06	7.4E-07	6.7E-07	3.1E-07	2.6E-08	2.3E-07	2.5E-07	2.4E-07	2.2E-07	4.8E-08	1.0E-06
61 UCART1	410804.2	3774113.13	410804.21, 3774113.13	1.75E-03	1.16E-03	6.1E-07	1.8E-06	1.2E-06	7.0E-07	6.4E-07	2.9E-07	2.4E-08	2.2E-07	2.4E-07	2.3E-07	2.1E-07	4.6E-08	9.7E-07
62 UCART1	410849.2	3774113.13	410849.21, 3774113.13	1.60E-03	1.09E-03	5.6E-07	1.7E-06	1.1E-06	6.6E-07	6.0E-07	2.7E-07	2.2E-08	2.0E-07	2.2E-07	2.2E-07	2.0E-07	4.3E-08	9.0E-07
63 UCART1	410894.2	3774113.13	410894.21, 3774113.13	1.46E-03	1.02E-03	5.0E-07	1.5E-06	1.1E-06	6.1E-07	5.6E-07	2.5E-07	2.0E-08	1.8E-07	2.1E-07	2.0E-07	1.8E-07	4.0E-08	8.3E-07
64 UCART1	410939.2	3774113.13	410939.21, 3774113.13	1.31E-03	9.36E-04	4.5E-07	1.4E-06	9.8E-07	5.7E-07	5.1E-07	2.3E-07	1.8E-08	1.6E-07	1.9E-07	1.9E-07	1.7E-07	3.7E-08	7.7E-07
65 UCART1	410984.2	3774113.13	410984.21, 3774113.13	1.18E-03	8.59E-04	4.1E-07	1.2E-06	9.0E-07	5.2E-07	4.7E-07	2.1E-07	1.6E-08	1.5E-07	1.8E-07	1.7E-07	1.6E-07	3.4E-08	7.0E-07
66 UCART1	411029.2	3774113.13	411029.21, 3774113.13	1.06E-03	7.85E-04	3.7E-07	1.1E-06	8.2E-07	4.7E-07	4.3E-07	2.0E-07	1.4E-08	1.3E-07	1.6E-07	1.6E-07	1.4E-07	3.1E-08	6.4E-07
67 UCART1	411074.2	3774113.13	411074.21, 3774113.13	9.60E-04	7.16E-04	3.3E-07	1.0E-06	7.5E-07	4.3E-07	3.9E-07	1.8E-07	1.3E-08	1.2E-07	1.5E-07	1.4E-07	1.3E-07	2.8E-08	5.8E-07
68 UCART1	411119.2	3774113.13	411119.21, 3774113.13	8.68E-04	6.54E-04	3.0E-07	9.1E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	1.2E-08	1.1E-07	1.3E-07	1.3E-07	1.2E-07	2.6E-08	5.3E-07
69 UCART1	411164.2	3774113.13	411164.21, 3774113.13	7.86E-04	5.97E-04	2.7E-07	8.2E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	1.1E-08	9.7E-08	1.2E-07	1.2E-07	1.1E-07	2.4E-08	4.8E-07
70 UCART1	411209.2	3774113.13	411209.21, 3774113.13	7.17E-04	5.47E-04	2.5E-07	7.5E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	9.7E-09	8.8E-08	1.1E-07	1.1E-07	9.9E-08	2.2E-08	4.4E-07
71 UCART1	411254.2	3774113.13	411254.21, 3774113.13	6.53E-04	5.00E-04	2.3E-07	6.8E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	8.9E-09	8.0E-08	1.0E-07	1.0E-07	9.1E-08	2.0E-08	4.0E-07
72 UCART1	411299.2	3774113.13	411299.21, 3774113.13	5.99E-04	4.60E-04	2.1E-07	6.3E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	8.1E-09	7.4E-08	9.4E-08	9.2E-08	8.3E-08	1.8E-08	3.7E-07
73 UCART1	410264.2	3774158.13	410264.21, 3774158.13	1.18E-03	7.47E-04	4.1E-07	1.2E-06	7.8E-07	4.5E-07	4.1E-07	1.9E-07	1.6E-08	1.5E-07	1.5E-07	1.5E-07	1.4E-07	3.0E-08	6.3E-07
74 UCART1	410309.2	3774158.13	410309.21, 3774158.13	1.36E-03	8.39E-04	4.7E-07	1.4E-06	8.8E-07	5.1E-07	4.6E-07	2.1E-07	1.9E-08	1.7E-07	1.7E-07	1.7E-07	1.5E-07	3.3E-08	7.1E-07
75 UCART1	410354.2	3774158.13	410354.21, 3774158.13	1.57E-03	9.43E-04	5.4E-07	1.6E-06	9.9E-07	5.7E-07	5.2E-07	2.4E-07	2.1E-08	1.9E-07	1.9E-07	1.9E-07	1.7E-07	3.7E-08	8.0E-07
76 UCART1	410399.2	3774158.13	410399.21, 3774158.13	1.80E-03	1.06E-03	6.2E-07	1.9E-06	1.1E-06	6.4E-07	5.8E-07	2.6E-07	2.5E-08	2.2E-07	2.2E-07	2.1E-07	1.9E-07	4.2E-08	9.1E-07
77 UCART1	410444.2	3774158.13	410444.21, 3774158.13	2.05E-03	1.18E-03	7.1E-07	2.1E-06	1.2E-06	7.1E-07	6.5E-07	3.0E-07	2.8E-08	2.5E-07	2.4E-07	2.4E-07	2.1E-07	4.7E-08	1.0E-06
78 UCART1	410489.2	3774158.13	410489.21, 3774158.13	2.30E-03	1.30E-03	8.0E-07	2.4E-06	1.4E-06	7.9E-07	7.1E-07	3.3E-07	3.1E-08	2.8E-07	2.7E-07	2.6E-07	2.4E-07	5.1E-08	1.1E-06
79 UCART1	410534.2	3774158.13	410534.21, 3774158.13	2.52E-03	1.42E-03	8.7E-07	2.6E-06	1.5E-06	8.6E-07	7.8E-07	3.5E-07	3.4E-08	3.1E-07	2.9E-07	2.8E-07	2.6E-07	5.6E-08	1.2E-06
80 UCART1	410579.2	3774158.13	410579.21, 3774158.13	2.68E-03	1.51E-03	9.3E-07	2.8E-06	1.6E-06	9.1E-07	8.3E-07	3.8E-07	3.6E-08	3.3E-07	3.1E-07	3.0E-07	2.7E-07	6.0E-08	1.3E-06
81 UCART1	410624.2	3774158.13	410624.21, 3774158.13	2.75E-03	1.57E-03	9.5E-07	2.9E-06	1.6E-06	9.5E-07	8.6E-07	3.9E-07	3.7E-08	3.4E-07	3.2E-07	3.1E-07	2.8E-07	6.2E-08	1.4E-06
82 UCART1	410669.2	3774158.13	410669.21, 3774158.13	2.72E-03	1.59E-03	9.4E-07	2.8E-06	1.7E-06	9.6E-07	8.7E-07	4.0E-07	3.7E-08	3.4E-07	3.3E-07	3.2E-07	2.9E-07	6.3E-08	1.4E-06
83 UCART1	410714.2	3774158.13	410714.21, 3774158.13	2.61E-03	1.56E-03	9.0E-07	2.7E-06	1.6E-06	9.5E-07	8.6E-07	3.9E-07	3.5E-08	3.2E-07	3.2E-07	3.1E-07	2.8E-07	6.2E-08	1.3E-06
84 UCART1	410759.2	3774158.13	410759.21, 3774158.13	2.43E-03	1.50E-03	8.4E-07	2.5E-06	1.6E-06	9.1E-07	8.3E-07	3.8E-07	3.3E-08	3.0E-07	3.1E-07	3.0E-07	2.7E-07	5.9E-08	1.3E-06
85 UCART1	410804.2	3774158.13	410804.21, 3774158.13	2.22E-03	1.42E-03	7.7E-07	2.3E-06	1.5E-06	8.6E-07	7.8E-07	3.6E-07	3.0E-08	2.7E-07	2.9E-07	2.8E-07	2.6E-07	5.6E-08	1.2E-06
86 UCART1	410849.2	3774158.13	410849.21, 3774158.13	1.99E-03	1.32E-03	6.9E-07	2.1E-06	1.4E-06	8.0E-07	7.2E-07	3.3E-07	2.7E-08	2.5E-07	2.7E-07	2.6E-07	2.4E-07	5.2E-08	1.1E-06
87 UCART1	410894.2	3774158.13	410894.21, 3774158.13	1.78E-03	1.21E-03	6.1E-07	1.9E-06	1.3E-06	7.3E-07	6.6E-07	3.0E-07	2.4E-08	2.2E-07	2.5E-07	2.4E-07	2.2E-07	4.8E-08	1.0E-06
88 UCART1	410939.2	3774158.13	410939.21, 3774158.13	1.57E-03	1.10E-03	5.4E-07	1.6E-06	1.1E-06	6.6E-07	6.0E-07	2.7E-07	2.1E-08	1.9E-07	2.3E-07	2.2E-07	2.0E-07	4.3E-08	9.0E-07

OPERATIONAL RISK (UNMITIGATED)

89	UCART1	410984.2	3774158.13	410984.21, 3774158.13	1.39E-03	9.92E-04	4.8E-07	1.5E-06	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.9E-08	1.7E-07	2.0E-07	2.0E-07	1.8E-07	3.9E-08	8.1E-07
90	UCART1	411029.2	3774158.13	411029.21, 3774158.13	1.24E-03	8.95E-04	4.3E-07	1.3E-06	9.3E-07	5.4E-07	4.9E-07	2.2E-07	1.7E-08	1.5E-07	1.8E-07	1.8E-07	1.6E-07	3.5E-08	7.3E-07
91	UCART1	411074.2	3774158.13	411074.21, 3774158.13	1.10E-03	8.07E-04	3.8E-07	1.2E-06	8.4E-07	4.9E-07	4.4E-07	2.0E-07	1.5E-08	1.4E-07	1.7E-07	1.6E-07	1.5E-07	3.2E-08	6.6E-07
92	UCART1	411119.2	3774158.13	411119.21, 3774158.13	9.85E-04	7.28E-04	3.4E-07	1.0E-06	7.6E-07	4.4E-07	4.0E-07	1.8E-07	1.3E-08	1.2E-07	1.5E-07	1.5E-07	1.3E-07	2.9E-08	5.9E-07
93	UCART1	411164.2	3774158.13	411164.21, 3774158.13	8.83E-04	6.59E-04	3.1E-07	9.2E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	1.2E-08	1.1E-07	1.4E-07	1.3E-07	1.2E-07	2.6E-08	5.3E-07
94	UCART1	411209.2	3774158.13	411209.21, 3774158.13	7.98E-04	5.98E-04	2.8E-07	8.3E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	1.1E-08	9.8E-08	1.2E-07	1.2E-07	1.1E-07	2.4E-08	4.8E-07
95	UCART1	411254.2	3774158.13	411254.21, 3774158.13	7.22E-04	5.44E-04	2.5E-07	7.5E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	9.8E-09	8.9E-08	1.1E-07	1.1E-07	9.8E-08	2.1E-08	4.4E-07
96	UCART1	411299.2	3774158.13	411299.21, 3774158.13	6.58E-04	4.97E-04	2.3E-07	6.9E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	8.9E-09	8.1E-08	1.0E-07	9.9E-08	9.0E-08	2.0E-08	4.0E-07
97	UCART1	410264.2	3774203.13	410264.21, 3774203.13	1.32E-03	8.20E-04	4.6E-07	1.4E-06	8.6E-07	5.0E-07	4.5E-07	2.1E-07	1.8E-08	1.6E-07	1.7E-07	1.6E-07	1.5E-07	3.2E-08	6.9E-07
98	UCART1	410309.2	3774203.13	410309.21, 3774203.13	1.55E-03	9.34E-04	5.4E-07	1.6E-06	9.8E-07	5.6E-07	5.1E-07	2.3E-07	2.1E-08	1.9E-07	1.9E-07	1.9E-07	1.7E-07	3.7E-08	8.0E-07
99	UCART1	410354.2	3774203.13	410354.21, 3774203.13	1.82E-03	1.07E-03	6.3E-07	1.9E-06	1.1E-06	6.4E-07	5.8E-07	2.7E-07	2.5E-08	2.2E-07	2.2E-07	2.1E-07	1.9E-07	4.2E-08	9.2E-07
100	UCART1	410399.2	3774203.13	410399.21, 3774203.13	2.15E-03	1.22E-03	7.4E-07	2.2E-06	1.3E-06	7.4E-07	6.7E-07	3.0E-07	2.9E-08	2.6E-07	2.5E-07	2.4E-07	2.2E-07	4.8E-08	1.1E-06
101	UCART1	410444.2	3774203.13	410444.21, 3774203.13	2.52E-03	1.39E-03	8.7E-07	2.6E-06	1.4E-06	8.4E-07	7.6E-07	3.5E-07	3.4E-08	3.1E-07	2.8E-07	2.8E-07	2.5E-07	5.5E-08	1.2E-06
102	UCART1	410489.2	3774203.13	410489.21, 3774203.13	2.92E-03	1.56E-03	1.0E-06	3.0E-06	1.6E-06	9.5E-07	8.6E-07	3.9E-07	4.0E-08	3.6E-07	3.2E-07	3.1E-07	2.8E-07	6.2E-08	1.4E-06
103	UCART1	410534.2	3774203.13	410534.21, 3774203.13	3.29E-03	1.74E-03	1.1E-06	3.4E-06	1.8E-06	1.1E-06	9.5E-07	4.3E-07	4.5E-08	4.1E-07	3.6E-07	3.5E-07	3.1E-07	6.9E-08	1.5E-06
104	UCART1	410579.2	3774203.13	410579.21, 3774203.13	3.59E-03	1.89E-03	1.2E-06	3.8E-06	2.0E-06	1.1E-06	1.0E-06	4.7E-07	4.9E-08	4.4E-07	3.9E-07	3.8E-07	3.4E-07	7.4E-08	1.7E-06
105	UCART1	410624.2	3774203.13	410624.21, 3774203.13	3.75E-03	1.99E-03	1.3E-06	3.9E-06	2.1E-06	1.2E-06	1.1E-06	5.0E-07	5.1E-08	4.6E-07	4.1E-07	4.0E-07	3.6E-07	7.8E-08	1.8E-06
106	UCART1	410669.2	3774203.13	410669.21, 3774203.13	3.73E-03	2.03E-03	1.3E-06	3.9E-06	2.1E-06	1.2E-06	1.1E-06	5.1E-07	5.1E-08	4.6E-07	4.2E-07	4.0E-07	3.7E-07	8.0E-08	1.8E-06
107	UCART1	410714.2	3774203.13	410714.21, 3774203.13	3.54E-03	2.00E-03	1.2E-06	3.7E-06	2.1E-06	1.2E-06	1.1E-06	5.0E-07	4.8E-08	4.4E-07	4.1E-07	4.0E-07	3.6E-07	7.9E-08	1.7E-06
108	UCART1	410759.2	3774203.13	410759.21, 3774203.13	3.24E-03	1.91E-03	1.1E-06	3.4E-06	2.0E-06	1.2E-06	1.0E-06	4.8E-07	4.4E-08	4.0E-07	3.9E-07	3.8E-07	3.5E-07	7.5E-08	1.6E-06
109	UCART1	410804.2	3774203.13	410804.21, 3774203.13	2.89E-03	1.77E-03	1.0E-06	3.0E-06	1.9E-06	1.1E-06	9.7E-07	4.4E-07	3.9E-08	3.6E-07	3.6E-07	3.5E-07	3.2E-07	7.0E-08	1.5E-06
110	UCART1	410849.2	3774203.13	410849.21, 3774203.13	2.53E-03	1.62E-03	8.8E-07	2.6E-06	1.7E-06	9.8E-07	8.9E-07	4.1E-07	3.4E-08	3.1E-07	3.3E-07	3.2E-07	2.9E-07	6.4E-08	1.4E-06
111	UCART1	410894.2	3774203.13	410894.21, 3774203.13	2.20E-03	1.46E-03	7.6E-07	2.3E-06	1.5E-06	8.8E-07	8.0E-07	3.6E-07	3.0E-08	2.7E-07	3.0E-07	2.9E-07	2.6E-07	5.7E-08	1.2E-06
112	UCART1	410939.2	3774203.13	410939.21, 3774203.13	1.91E-03	1.30E-03	6.6E-07	2.0E-06	1.4E-06	7.9E-07	7.1E-07	3.3E-07	2.6E-08	2.4E-07	2.7E-07	2.6E-07	2.4E-07	5.1E-08	1.1E-06
113	UCART1	410984.2	3774203.13	410984.21, 3774203.13	1.66E-03	1.15E-03	5.8E-07	1.7E-06	1.2E-06	7.0E-07	6.3E-07	2.9E-07	2.3E-08	2.0E-07	2.4E-07	2.3E-07	2.1E-07	4.6E-08	9.5E-07
114	UCART1	411029.2	3774203.13	411029.21, 3774203.13	1.45E-03	1.03E-03	5.0E-07	1.5E-06	1.1E-06	6.2E-07	5.6E-07	2.6E-07	2.0E-08	1.8E-07	2.1E-07	2.0E-07	1.9E-07	4.0E-08	8.4E-07
115	UCART1	411074.2	3774203.13	411074.21, 3774203.13	1.27E-03	9.13E-04	4.4E-07	1.3E-06	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.7E-08	1.6E-07	1.9E-07	1.8E-07	1.7E-07	3.6E-08	7.5E-07
116	UCART1	411119.2	3774203.13	411119.21, 3774203.13	1.12E-03	8.14E-04	3.9E-07	1.2E-06	8.5E-07	4.9E-07	4.5E-07	2.0E-07	1.5E-08	1.4E-07	1.7E-07	1.6E-07	1.5E-07	3.2E-08	6.6E-07
117	UCART1	411164.2	3774203.13	411164.21, 3774203.13	9.98E-04	7.29E-04	3.5E-07	1.0E-06	7.6E-07	4.4E-07	4.0E-07	1.8E-07	1.4E-08	1.2E-07	1.5E-07	1.5E-07	1.3E-07	2.9E-08	5.9E-07
118	UCART1	411209.2	3774203.13	411209.21, 3774203.13	8.93E-04	6.56E-04	3.1E-07	9.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	1.2E-08	1.1E-07	1.3E-07	1.3E-07	1.2E-07	2.6E-08	5.3E-07
119	UCART1	411254.2	3774203.13	411254.21, 3774203.13	8.02E-04	5.92E-04	2.8E-07	8.4E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	1.1E-08	9.9E-08	1.2E-07	1.2E-07	1.1E-07	2.3E-08	4.8E-07
120	UCART1	411299.2	3774203.13	411299.21, 3774203.13	7.26E-04	5.38E-04	2.5E-07	7.6E-07	5.6E-07	3.3E-07	3.0E-07	1.3E-07	9.9E-09	8.9E-08	1.1E-07	1.1E-07	9.7E-08	2.1E-08	4.4E-07
121	UCART1	410264.2	3774248.13	410264.21, 3774248.13	1.47E-03	8.99E-04	5.1E-07	1.5E-06	9.4E-07	5.4E-07	4.9E-07	2.2E-07	2.0E-08	1.8E-07	1.8E-07	1.8E-07	1.6E-07	3.5E-08	7.6E-07
122	UCART1	410309.2	3774248.13	410309.21, 3774248.13	1.76E-03	1.04E-03	6.1E-07	1.8E-06	1.1E-06	6.3E-07	5.7E-07	2.6E-07	2.4E-08	2.2E-07	2.1E-07	2.1E-07	1.9E-07	4.1E-08	8.9E-07
123	UCART1	410354.2	3774248.13	410354.21, 3774248.13	2.13E-03	1.21E-03	7.4E-07	2.2E-06	1.3E-06	7.3E-07	6.6E-07	3.0E-07	2.9E-08	2.6E-07	2.5E-07	2.4E-07	2.2E-07	4.8E-08	1.0E-06
124	UCART1	410399.2	3774248.13	410399.21, 3774248.13	2.58E-03	1.41E-03	8.9E-07	2.7E-06	1.5E-06	8.5E-07	7.7E-07	3.5E-07	3.5E-08	3.2E-07	2.9E-07	2.8E-07	2.5E-07	5.5E-08	1.2E-06
125	UCART1	410444.2	3774248.13	410444.21, 3774248.13	3.14E-03	1.64E-03	1.1E-06	3.3E-06	1.7E-06	9.9E-07	9.0E-07	4.1E-07	4.3E-08	3.9E-07	3.4E-07	3.3E-07	3.0E-07	6.5E-08	1.5E-06
126	UCART1	410489.2	3774248.13	410489.21, 3774248.13	3.78E-03	1.90E-03	1.3E-06	3.9E-06	2.0E-06	1.2E-06	1.0E-06	4.8E-07	5.1E-08	4.7E-07	3.9E-07	3.8E-07	3.4E-07	7.5E-08	1.7E-06
127	UCART1	410534.2	3774248.13	410534.21, 3774248.13	4.45E-03	2.17E-03	1.5E-06	4.6E-06	2.3E-06	1.3E-06	1.2E-06	5.4E-07	6.0E-08	5.5E-07	4.5E-07	4.3E-07	3.9E-07	8.6E-08	2.0E-06
128	UCART1	410579.2	3774248.13	410579.21, 3774248.13	5.04E-03	2.42E-03	1.7E-06	5.3E-06	2.5E-06	1.5E-06	1.3E-06	6.1E-07	6.9E-08	6.2E-07	5.0E-07	4.8E-07	4.4E-07	9.6E-08	2.2E-06
129	UCART1	410624.2	3774248.13	410624.21, 3774248.13	5.39E-03	2.61E-03	1.9E-06	5.6E-06	2.7E-06	1.6E-06	1.4E-06	6.5E-07	7.3E-08	6.6E-07	5.4E-07	5.2E-07	4.7E-07	1.0E-07	2.4E-06
130	UCART1	410669.2	3774248.13	410669.21, 3774248.13	5.39E-03	2.69E-03	1.9E-06	5.6E-06	2.8E-06	1.6E-06	1.5E-06	6.7E-07	7.3E-08	6.6E-07	5.5E-07	5.4E-07	4.9E-07	1.1E-07	2.4E-06
131	UCART1	410714.2	3774248.13	410714.21, 3774248.13	5.05E-03	2.65E-03	1.7E-06	5.3E-06	2.8E-06	1.6E-06	1.5E-06	6.6E-07	6.9E-08	6.2E-07	5.4E-07	5.3E-07	4.8E-07	1.0E-07	2.3E-06
132	UCART1	410759.2	3774248.13	410759.21, 3774248.13	4.50E-03	2.50E-03	1.6E-06	4.7E-06	2.6E-06	1.5E-06	1.4E-06	6.3E-07	6.1E-08	5.5E-07	5.1E-07	5.0E-07	4.5E-07	9.9E-08	2.2E-06
133	UCART1	410804.2	3774248.13	410804.21, 3774248.13	3.88E-03	2.28E-03	1.3E-06	4.1E-06	2.4E-06	1.4E-06	1.3E-06	5.7E-07	5.3E-08	4.8E-07	4.7E-07	4.6E-07	4.1E-07	9.0E-08	2.0E-06
134	UCART1	410849.2	3774248.13	410849.21, 3774248.13	3.30E-03	2.03E-03	1.1E-06	3.4E-06	2.1E-06	1.2E-06	1.1E-06	5.1E-07	4.5E-08	4.1E-07	4.2E-07	4.1E-07	3.7E-07	8.0E-08	1.7E-06
135	UCART1	410894.2	3774248.13	410894.21, 3774248.13	2.78E-03	1.79E-03	9.6E-07	2.9E-06	1.9E-06	1.1E-06	9.8E-07	4.5E-07	3.8E-08	3.4E-07	3.7E-07	3.6E-07	3.2E-07	7.0E-08	1.5E-06
136	UCART1	410939.2	3774248.13	410939.21, 3774248.13	2.36E-03	1.56E-03	8.2E-07	2.5E-06	1.6E-06	9.4E-07	8.5E-07	3.9E-07	3.2E-08	2.9E-07	3.2E-07	3.1E-07	2.8E-07	6.1E-08	1.3E-06
137	UCART1	410984.2	3774248.13	410984.21, 3774248.13	2.00E-03	1.36E-03	6.9E-07	2.1E-06	1.4E-06	8.2E-07	7.4E-07	3.4E-07	2.7E-08	2.5E-07	2.8E-07	2.7E-07	2.5E-07	5.4E-08	1.1E-06
138	UCART1	411029.2	3774248.13	411029.21, 3774248.13	1.72E-03	1.18E-03	5.9E-07	1.8E-06	1.2E-06	7.2E-07	6.5E-07	3.0E-07	2.3E-08	2.1E-07	2.4E-07	2.4E-07	2.1E-07	4.7E-08	9.8E-07
139	UCART1	411074.2	3774248.13	411074.21, 3774248.13	1.48E-03	1.04E-03	5.1E-07	1.6E-06	1.1E-06	6.3E-07	5.7E-07	2.6E-07	2.0E-08	1.8E-07	2.1E-07	2.1E-07	1.9E-07	4.1E-08	8.5E-07
140	UCART1	411119.2	3774248.13	411119.21, 3774248.13	1.29E-03	9.13E-04	4.5E-07	1.4E-06	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.8E-08	1.6E-07	1.9E-07	1.8E-07	1.7E-07	3.6E-08	7.5E-07
141	UCART1	411164.2	3774248.13	411164.21, 3774248.13	1.13E-03	8.09E-04	3.9E-07	1.2E-06	8.5E-07	4.9E-07	4.4E-07	2.0E-07	1.5E-08	1.4E-07	1.7E-07	1.6E-07	1.5E-07	3.2E-08	6.6E-07
142	UCART1	411209.2	3774248.13	411209.21, 3774248.13	1.01E-03	7.23E-04	3.5E-07	1.1E-06	7.6E-07	4.4E-07	4.0E-07	1.8E-07	1.4E-08	1.2E-07	1.5E-07	1.4E-07	1.3E-07	2.9E-08	5.9E-07
143	UCART1	411254.2	3774248.13	411254.21, 3774248.13	8.96E-04	6.48E-04	3.1E-07	9.4E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	1.2E-08	1.1E-07	1.3E-07	1.3E-07	1.2E-07	2.6E-08	5.3E-07
144	UCART1	411299.2	3774248.13	411299.21, 3774248.13	8.06E-04	5.86E-04	2.8E-07	8.4E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	1.1E-08	9.9E-08	1.2E-07	1.2E-07	1.1E-07	2.3E-08	4.8E-07
145	UCART1	410264.2	3774293.13	410264.21, 3774293.13	1.63E-03	9.81E-04	5.6E-07	1.7E-06	1.0E-06	5.9E-07	5.4E-07	2.5E-07	2.2E-08	2.0E-07	2.0E-07	2.0E-07	1.8E-07	3.9E-08	8.4E-07
146	UCART1	410309.2	3774293.13	410309.21, 3774293.13	2.00E-03	1.15E-03	6.9E-07	2.1E-06	1.2E-06	7.0E-07	6.3E-07	2.9E-07	2.7E-08	2.5E-07	2.4E-07	2.3E-07	2.1E-07	4.5E-08	9.9E-07
147	UCART1	410354.2	3774293.13	410354.21, 3774293.13	2.47E-03	1.36E-03	8.6E-07	2.6E-06	1.4E-06	8.2E-07	7.5E-07	3.4E-07	3.4E-08	3.0E-07	2.8E-07	2.7E-07	2.5E-07	5.4E-08	1.2E-06
148	UCART1	410399.2	3774293.13	410399.21, 3774293.13	3.10E-03	1.63E-03	1.1E-06	3.2E-06	1.7E-06	9.8E-07	8.9E-07	4.1E-07	4.2E-08	3.8E-07	3.3E-07	3.2E-07	2.9E-07	6.4E-08	1.4E-06
149	UCART1	410444.2	3774293.13	410444.21, 3774293.13	3.93E-03	1.95E-03	1.4E-06	4.1E-06	2.0E-06	1.2E-06	1.1E-06	4.9E-07	5.3E-08	4.8E-07	4.0E-07	3.9E-07	3.5E-07	7.7E-08	1.8E-06
150	UCART1	410489.2	3774293.13	410489.21, 3774293.13	4.99E-03	2.34E-03	1.7E-06	5.2E-06	2.4E-06	1.4E-06	1.3E-06	5.9E-07	6.8E-08	6.1E-07	4.8E-07	4.7E-07	4.2E-07	9.2E-08	2.1E-06
151	UCART1	410534.2	3774293.13	410534.21, 3774293.13	6.24E-03	2.77E-03	2.2E-06	6.5E-06	2.9E-06	1.7E-06	1.5E-06	6.9E-07	8.5E-08	7.7E-07	5.7E-07	5.5E-07	5.0E-07	1.1E-07	2.6E-06
152	UCART1	410579.2	3774293.13	410579.21, 3774293.13	7.50E-03	3.21E-03	2.6E-06	7.8E-06	3.4E-06	1.9E-06	1.8E-06	8.0E-07	1.0E-07	9.2E-07	6.6E-07	6.4E-07	5.8E-07	1.3E-07	3.0E-06
153	UCART1	410624.2	3774293.13	410624.21, 3774293.13	8.36E-03	3.56E-03	2.9E-06	8.7E-06	3.7E-06	2.2E-06	2.0E-06	8.9E-07	1.1E-07	1.0E-06	7.3E-07	7.1E-07	6.4E-07	1.4E-07	3.4E-06
154	UCART1	410669.2	3774293.13	410669.21, 3774293.13	8.44E-03	3.74E-03	2.9E-06	8.8E-06	3.9E-06	2.3E-06	2.0E-06	9.4E-07	1.1E-07	1.0E-06	7.7E-07	7.5E-07	6.8E-07	1.5E-07	3.5E-06
155	UCART1	410714.2	3774293.13	410714.21, 3774293.13	7.74E-03	3.68E-03	2.7E-06	8.1E-06	3.8E-06	2.2E-06	2.0E-06	9.2E-07	1.1E-07	9.5E-07	7.6E-07	7.3E-07	6.7E-07	1.5E-07	3.4E-06
156	UCART1	410759.2	3774293.13	410759.21, 3774293.13	6.59E-03	3.42E-03	2.3E-06	6.9E-06	3.6E-06	2.1E-06	1.9E-06	8.6E-07	9.0E-08	8.1E-07	7.0E-07	6.8E-07	6.2E-07	1.3E-07	3.0E-06
157	UCART1	410804.2	3774293.13	410804.21, 3774293.13	5.42E-03	3.03E-03	1.9E-06	5.7E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	7.4E-08	6.7E-07	6.2E-07	6.1E-07	5.5E-07	1.2E-07	2.6E-06
158	UCART1	410849.2	3774293.13	410849.21, 3774293.13	4.40E-03	2.62E-03	1.5E-06	4.6E-06	2.7E-06	1.6E-06	1.4E-06	6.5E-07	6.0E-08	5.4E-07	5.4E-07	5.2E-07	4.7E-07	1.0E-07	2.2E-06
159	UCART1	410894.2	3774293.13	410894.21, 3774293.13	3.59E-03	2.23E-03	1.2E-06	3.7E-06	2.3E-06	1.3E-06	1.2E-06	5.6E-07	4.9E-08	4.4E-07	4.6E-07	4.4E-07	4.0E-07	8.8E-08	1.9E-06
160	UCART1	410939.2	3774293.13	410939.21, 3774293.13	2.95E-03	1.89E-03	1.0E-06	3.1E-06	2.0E-06	1.1E-06	1.0E-06	4.7E-07	4.0E-08	3.6E-07	3.9E-07	3.8E-07	3.4E-07	7.5E-08	1.6E-06
161	UCART1	410984.2	3774293.13	410984.21, 3774293.13	2.45E-03	1.61E-03	8.5E-07	2.6E-06	1.7E-06	9.7E-07	8.8E-07	4.0E-07	3.3E-08	3.0E-07	3.3E-07	3.2E-07	2.9E-07	6.3E-08	1.3E-06
162	UCART1	411029.2	3774293.13	411029.21, 3774293.13	2.05E-03	1.37E-03	7.1E-07	2.1E-06	1.4E-06	8.3E-07	7.5E-07	3.4E-07	2.8E-08	2.5E-07	2.8E-07	2.7E-07	2.5E-07	5.4E-08	1.1E-06
163	UCART1	411074.2	3774293.13	411074.21, 3774293.13	1.74E-03	1.18E-03	6.0E-07	1.8E-06	1.2E-06	7.2E-07	6.5E-07	3.0E-07	2.4E-08	2.1E-07	2.4E-07	2.4E-07	2.1E-07	4.7E-08	9.8E-07
164	UCART1	411119.2	3774293.13	411119.21, 3774293.13	1.50E-03	1.03E-03	5.2E-07	1.6E-06	1.1E-06	6.2E-07	5.7E-07	2.6E-07	2.0E-08	1.8E-07	2.1E-07	2.1E-07	1.9E-07	4.1E-08	8.5E-07
165	UCART1	411164.2	3774293.13	411164.21, 3774293.13	1.30E-03	9.05E-04	4.5E-07	1.4E-06	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.8E-08	1.6E-07	1.9E-07	1.8E-07	1.6E-07	3.6E-08	7.4E-07
166	UCART1	411209.2	3774293.13	411209.21, 3774293.13	1.14E-03	8.02E-04	3.9E-07	1.2E-06	8.4E-07	4.9E-07	4.4E-07	2.0E-07	1.6E-08	1.4E-07	1.6E-07	1.6E-07	1.5E-07	3.2E-08	6.6E-07
167	UCART1	411254.2	3774293.13	411254.21, 3774293.13	1.01E-03	7.14E-04	3.5E-07	1.1E-06	7.5E-07	4.3E-07	3.9E-07	1.8E-07	1.4E-08	1.2E-07	1.5E-07	1.4E-07	1.3E-07	2.8E-08	5.8E-07
168	UCART1	411299.2	3774293.13	411299.21, 3774293.13	8.99E-04	6.41E-04	3.1E-07	9.4E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	1.2E-08	1.1E-07	1.3E-07	1.3E-07	1.2E-07	2.5E-08	5.2E-07
169	UCART1	410264.2	3774338.13	410264.21, 3774338.13	1.80E-03	1.07E-03	6.2E-07	1.9E-06	1.1E-06	6.4E-07	5.8E-07	2.7E-07	2.4E-08	2.2E-07	2.2E-07	2.1E-07	1.9E-07	4.2E-08	9.1E-07
170	UCART1	410309.2	3774338.13	410309.21, 3774338.13	2.26E-03	1.27E-03	7.8E-07	2.4E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	3.1E-08	2.8E-07	2.6E-07	2.5E-07	2.3E-07	5.0E-08	1.1E-06
171	UCART1	410354.2	3774338.13	410354.21, 3774338.13	2.88E-03	1.53E-03	1.0E-06	3.0E-06	1.6E-06	9.3E-07	8.4E-07	3.8E-07	3.9E-08	3.5E-07	3.1E-07	3.1E-07	2.8E-07	6.0E-08	1.4E-06
172	UCART1	410399.2	3774338.13	410399.21, 3774338.13	3.73E-03	1.87E-03	1.3E-06	3.9E-06	2.0E-06	1.1E-06	1.0E-06	4.7E-07	5.1E-08	4.6E-07	3.8E-07	3.7E-07	3.4E-07	7.4E-08	1.7E-06
173	UCART1	410444.2	3774338.13	410444.21, 3774338.13	4.95E-03	2.32E-03	1.7E-06	5.2E-06	2.4E-06	1.4E-06	1.3E-06	5.8E-07	6.7E-08	6.1E-07	4.8E-07	4.6E-07	4.2E-07	9.2E-08	2.1E-06
174	UCART1	410489.2	3774338.13	410489.21, 3774338.13	6.71E-03	2.90E-03	2.3E-06	7.0E-06	3.0E-06	1.8E-06	1.6E-06	7.3E-07	9.1E-08	8.3E-07	6.0E-07	5.8E-07	5.3E-07	1.1E-07	2.7E-06
175	UCART1	410534.2	3774338.13	410534.21, 3774338.13	9.15E-03	3.61E-03	3.2E-06	9.6E-06	3.8E-06	2.2E-06	2.0E-06	9.0E-07	1.2E-07	1.1E-06	7.4E-07	7.2E-07	6.5E-07	1.4E-07	3.5E-06
176	UCART1	410579.2	3774338.13	410579.21, 3774338.13	1.21E-02	4.41E-03	4.2E-06	1.3E-05	4.6E-06	2.7E-06	2.4E-06	1.1E-06	1.7E-07	1.5E-06	9.1E-07	8.8E-07	8.0E-07	1.7E-07	4.4E-06
177	UCART1	410624.2	3774338.13	410624.21, 3774338.13	1.46E-02	5.14E-03	5.1E-06	1.5E-05	5.4E-06	3.1E-06	2.8E-06	1.3E-06	2.0E-07	1.8E-06	1.1E-06	1.0E-06	9.3E-07	2.0E-07	5.2E-06
178	UCART1	410669.2	3774338.13	410669.21, 3774338.13	1.51E-02	5.56E-03	5.2E-06	1.6E-05	5.8E-06	3.4E-06	3.0E-06	1.4E-06	2.0E-07	1.9E-06	1.1E-06	1.1E-06	1.0E-06	2.2E-07	5.5E-06
179	UCART1	410714.2	3774338.13	410714.21, 3774338.13	1.31E-02	5.48E-03	4.6E-06	1.4E-05	5.7E-06	3.3E-06	3.0E-06	1.4E-06	1.8E-07	1.6E-06	1.1E-06	1.1E-06	9.9E-07	2.2E-07	5.2E-06
180	UCART1	410759.2	3774338.13	410759.21, 3774338.13	1.04E-02	4.94E-03	3.6E-06	1.1E-05	5.2E-06	3.0E-06	2.7E-06	1.2E-06	1.4E-07	1.3E-06	1.0E-06	9.9E-07	8.9E-07	2.0E-07	4.5E-06
181	UCART1	410804.2	3774338.13	410804.21, 3774338.13	7.88E-03	4.20E-03	2.7E-06	8.2E-06	4.4E-06	2.5E-06	2.3E-06	1.1E-06	1.1E-07	9.7E-07	8.6E-07	8.4E-07	7.6E-07	1.7E-07	3.7E-06
182	UCART1	410849.2	3774338.13	410849.21, 3774338.13	6.02E-03	3.44E-03	2.1E-06	6.3E-06	3.6E-06	2.1E-06	1.9E-06	8.6E-07	8.2E-08	7.4E-07	7.1E-07	6.9E-07	6.2E-07	1.4E-07	3.0E-06
183	UCART1	410894.2	3774338.13	410894.21, 3774338.13	4.69E-03	2.81E-03	1.6E-06	4.9E-06	2.9E-06	1.7E-06	1.5E-06	7.0E-07	6.4E-08	5.8E-07	5.8E-07	5.6E-07	5.1E-07	1.1E-07	2.4E-06
184	UCART1	410939.2	3774338.13	410939.21, 3774338.13	3.72E-03	2.30E-03	1.3E-06	3.9E-06	2.4E-06	1.4E-06	1.3E-06	5.8E-07	5.1E-08	4.6E-07	4.7E-07	4.6E-07	4.2E-07	9.1E-08	1.9E-06
185	UCART1	410984.2	3774338.13	410984.21, 3774338.13	3.01E-03	1.92E-03	1.0E-06	3.2E-06	2.0E-06	1.2E-06	1.1E-06	4.8E-07	4.1E-08	3.7E-07	3.9E-07	3.8E-07	3.5E-07	7.6E-08	1.6E-06
186	UCART1	411029.2	3774338.13	411029.21, 3774338.13	2.47E-03	1.61E-03	8.5E-07	2.6E-06	1.7E-06	9.7E-07	8.8E-07	4.0E-07	3.4E-08	3.0E-07	3.3E-07	3.2E-07	2.9E-07	6.3E-08	1.3E-06

187	UCART1	411074.2	3774338.13	411074.21, 3774338.13	2.06E-03	1.37E-03	7.1E-07	2.1E-06	1.4E-06	8.3E-07	7.5E-07	3.4E-07	2.8E-08	2.5E-07	2.8E-07	2.7E-07	2.5E-07	5.4E-08	1.1E-06
188	UCART1	411119.2	3774338.13	411119.21, 3774338.13	1.74E-03	1.17E-03	6.0E-07	1.8E-06	1.2E-06	7.1E-07	6.4E-07	2.9E-07	2.4E-08	2.1E-07	2.4E-07	2.3E-07	2.1E-07	4.6E-08	9.7E-07
189	UCART1	411164.2	3774338.13	411164.21, 3774338.13	1.49E-03	1.02E-03	5.2E-07	1.6E-06	1.1E-06	6.2E-07	5.6E-07	2.6E-07	2.0E-08	1.8E-07	2.1E-07	2.0E-07	1.8E-07	4.0E-08	8.4E-07
190	UCART1	411209.2	3774338.13	411209.21, 3774338.13	1.30E-03	8.96E-04	4.5E-07	1.4E-06	9.4E-07	5.4E-07	4.9E-07	2.2E-07	1.8E-08	1.6E-07	1.8E-07	1.8E-07	1.6E-07	3.5E-08	7.4E-07
191	UCART1	411254.2	3774338.13	411254.21, 3774338.13	1.14E-03	7.92E-04	3.9E-07	1.2E-06	8.3E-07	4.8E-07	4.3E-07	2.0E-07	1.5E-08	1.4E-07	1.6E-07	1.6E-07	1.4E-07	3.1E-08	6.5E-07
192	UCART1	411299.2	3774338.13	411299.21, 3774338.13	1.01E-03	7.07E-04	3.5E-07	1.1E-06	7.4E-07	4.3E-07	3.9E-07	1.8E-07	1.4E-08	1.2E-07	1.5E-07	1.4E-07	1.3E-07	2.8E-08	5.8E-07
193	UCART1	410264.2	3774383.13	410264.21, 3774383.13	1.98E-03	1.15E-03	6.9E-07	2.1E-06	1.2E-06	6.9E-07	6.3E-07	2.9E-07	2.7E-08	2.4E-07	2.4E-07	2.3E-07	2.1E-07	4.5E-08	9.9E-07
194	UCART1	410309.2	3774383.13	410309.21, 3774383.13	2.71E-03	1.39E-03	9.4E-07	2.8E-06	1.5E-06	8.4E-07	7.6E-07	3.5E-07	3.7E-08	3.3E-07	2.9E-07	2.8E-07	2.5E-07	5.5E-08	1.2E-06
195	UCART1	410354.2	3774383.13	410354.21, 3774383.13	3.52E-03	1.71E-03	1.2E-06	3.7E-06	1.8E-06	1.0E-06	9.4E-07	4.3E-07	4.8E-08	4.3E-07	3.5E-07	3.4E-07	3.1E-07	6.8E-08	1.6E-06
196	UCART1	410399.2	3774383.13	410399.21, 3774383.13	4.62E-03	2.15E-03	1.6E-06	4.8E-06	2.2E-06	1.3E-06	1.2E-06	5.4E-07	6.3E-08	5.7E-07	4.4E-07	4.3E-07	3.9E-07	8.5E-08	2.0E-06
197	UCART1	410444.2	3774383.13	410444.21, 3774383.13	6.34E-03	2.76E-03	2.2E-06	6.6E-06	2.9E-06	1.7E-06	1.5E-06	6.9E-07	8.6E-08	7.8E-07	5.7E-07	5.5E-07	5.0E-07	1.1E-07	2.6E-06
198	UCART1	410489.2	3774383.13	410489.21, 3774383.13	9.16E-03	3.61E-03	3.2E-06	9.6E-06	3.8E-06	2.2E-06	2.0E-06	9.0E-07	1.2E-07	1.1E-06	7.4E-07	7.2E-07	6.5E-07	1.4E-07	3.5E-06
199	UCART1	410534.2	3774383.13	410534.21, 3774383.13	1.40E-02	4.79E-03	4.9E-06	1.5E-05	5.0E-06	2.9E-06	2.6E-06	1.2E-06	1.9E-07	1.7E-06	9.8E-07	9.6E-07	8.7E-07	1.9E-07	4.9E-06
200	UCART1	410579.2	3774383.13	410579.21, 3774383.13	2.24E-02	6.33E-03	7.7E-06	2.3E-05	6.6E-06	3.8E-06	3.5E-06	1.6E-06	3.0E-07	2.8E-06	1.3E-06	1.3E-06	1.1E-06	2.5E-07	7.0E-06
201	UCART1	410624.2	3774383.13	410624.21, 3774383.13	3.25E-02	7.99E-03	1.1E-05	3.4E-05	8.4E-06	4.8E-06	4.4E-06	2.0E-06	4.4E-07	4.0E-06	1.6E-06	1.6E-06	1.4E-06	3.2E-07	9.4E-06
202	UCART1	410669.2	3774383.13	410669.21, 3774383.13	3.44E-02	9.13E-03	1.2E-05	3.6E-05	9.5E-06	5.5E-06	5.0E-06	2.3E-06	4.7E-07	4.2E-06	1.9E-06	1.8E-06	1.7E-06	3.6E-07	1.0E-05
203	UCART1	410714.2	3774383.13	410714.21, 3774383.13	2.67E-02	9.00E-03	9.2E-06	2.8E-05	9.4E-06	5.4E-06	4.9E-06	2.3E-06	3.6E-07	3.3E-06	1.8E-06	1.8E-06	1.6E-06	3.6E-07	9.3E-06
204	UCART1	410759.2	3774383.13	410759.21, 3774383.13	1.78E-02	7.71E-03	6.2E-06	1.9E-05	8.1E-06	4.7E-06	4.2E-06	1.9E-06	2.4E-07	2.2E-06	1.6E-06	1.5E-06	1.4E-06	3.0E-07	7.3E-06
205	UCART1	410804.2	3774383.13	410804.21, 3774383.13	1.21E-02	6.10E-03	4.2E-06	1.3E-05	6.4E-06	3.7E-06	3.3E-06	1.5E-06	1.6E-07	1.5E-06	1.3E-06	1.2E-06	1.1E-06	2.4E-07	5.5E-06
206	UCART1	410849.2	3774383.13	410849.21, 3774383.13	8.53E-03	4.67E-03	3.0E-06	8.9E-06	4.9E-06	2.8E-06	2.6E-06	1.2E-06	1.2E-07	1.1E-06	9.6E-07	9.3E-07	8.4E-07	1.8E-07	4.1E-06
207	UCART1	410894.2	3774383.13	410894.21, 3774383.13	6.34E-03	3.63E-03	2.2E-06	6.6E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	8.6E-08	7.8E-07	7.5E-07	7.3E-07	6.6E-07	1.4E-07	3.1E-06
208	UCART1	410939.2	3774383.13	410939.21, 3774383.13	4.83E-03	2.87E-03	1.7E-06	5.1E-06	3.0E-06	1.7E-06	1.6E-06	7.2E-07	6.6E-08	6.0E-07	5.9E-07	5.7E-07	5.2E-07	1.1E-07	2.5E-06
209	UCART1	410984.2	3774383.13	410984.21, 3774383.13	3.76E-03	2.33E-03	1.3E-06	3.9E-06	2.4E-06	1.4E-06	1.3E-06	5.8E-07	5.1E-08	4.6E-07	4.8E-07	4.7E-07	4.2E-07	9.2E-08	2.0E-06
210	UCART1	411029.2	3774383.13	411029.21, 3774383.13	2.97E-03	1.91E-03	1.0E-06	3.1E-06	2.0E-06	1.2E-06	1.0E-06	4.8E-07	4.0E-08	3.7E-07	3.9E-07	3.8E-07	3.4E-07	7.5E-08	1.6E-06
211	UCART1	411074.2	3774383.13	411074.21, 3774383.13	2.43E-03	1.59E-03	8.4E-07	2.5E-06	1.7E-06	9.6E-07	8.7E-07	4.0E-07	3.3E-08	3.0E-07	3.3E-07	3.2E-07	2.9E-07	6.3E-08	1.3E-06
212	UCART1	411119.2	3774383.13	411119.21, 3774383.13	2.03E-03	1.35E-03	7.0E-07	2.1E-06	1.4E-06	8.2E-07	7.4E-07	3.4E-07	2.8E-08	2.5E-07	2.8E-07	2.7E-07	2.4E-07	5.3E-08	1.1E-06
213	UCART1	411164.2	3774383.13	411164.21, 3774383.13	1.71E-03	1.16E-03	5.9E-07	1.8E-06	1.2E-06	7.0E-07	6.4E-07	2.9E-07	2.3E-08	2.1E-07	2.4E-07	2.3E-07	2.1E-07	4.6E-08	9.6E-07
214	UCART1	411209.2	3774383.13	411209.21, 3774383.13	1.47E-03	1.01E-03	5.1E-07	1.5E-06	1.1E-06	6.1E-07	5.5E-07	2.5E-07	2.0E-08	1.8E-07	2.1E-07	2.0E-07	1.8E-07	4.0E-08	8.3E-07
215	UCART1	411254.2	3774383.13	411254.21, 3774383.13	1.28E-03	8.85E-04	4.4E-07	1.3E-06	9.3E-07	5.4E-07	4.9E-07	2.2E-07	1.7E-08	1.6E-07	1.8E-07	1.8E-07	1.6E-07	3.5E-08	7.3E-07
216	UCART1	411299.2	3774383.13	411299.21, 3774383.13	1.12E-03	7.84E-04	3.9E-07	1.2E-06	8.2E-07	4.7E-07	4.3E-07	2.0E-07	1.5E-08	1.4E-07	1.6E-07	1.6E-07	1.4E-07	3.1E-08	6.4E-07
217	UCART1	410264.2	3774428.13	410264.21, 3774428.13	2.10E-03	1.22E-03	7.3E-07	2.2E-06	1.3E-06	7.4E-07	6.7E-07	3.1E-07	2.9E-08	2.6E-07	2.5E-07	2.4E-07	2.2E-07	4.8E-08	1.1E-06
218	UCART1	410309.2	3774428.13	410309.21, 3774428.13	2.91E-03	1.50E-03	1.0E-06	3.0E-06	1.6E-06	9.1E-07	8.2E-07	3.8E-07	4.0E-08	3.6E-07	3.1E-07	3.0E-07	2.7E-07	5.9E-08	1.3E-06
219	UCART1	410354.2	3774428.13	410354.21, 3774428.13	3.89E-03	1.88E-03	1.3E-06	4.1E-06	2.0E-06	1.1E-06	1.0E-06	4.7E-07	5.3E-08	4.8E-07	3.9E-07	3.8E-07	3.4E-07	7.4E-08	1.7E-06
220	UCART1	410399.2	3774428.13	410399.21, 3774428.13	5.30E-03	2.42E-03	1.8E-06	5.5E-06	2.5E-06	1.5E-06	1.3E-06	6.1E-07	7.2E-08	6.5E-07	5.0E-07	4.8E-07	4.4E-07	9.6E-08	2.2E-06
221	UCART1	410444.2	3774428.13	410444.21, 3774428.13	7.62E-03	3.22E-03	2.6E-06	8.0E-06	3.4E-06	1.9E-06	1.8E-06	8.1E-07	1.0E-07	9.4E-07	6.6E-07	6.4E-07	5.8E-07	1.3E-07	3.1E-06
222	UCART1	410489.2	3774428.13	410489.21, 3774428.13	1.19E-02	4.44E-03	4.1E-06	1.2E-05	4.6E-06	2.7E-06	2.4E-06	1.1E-06	1.6E-07	1.5E-06	9.1E-07	8.9E-07	8.0E-07	1.8E-07	4.4E-06
223	UCART1	410534.2	3774428.13	410534.21, 3774428.13	2.10E-02	6.37E-03	7.3E-06	2.2E-05	6.7E-06	3.9E-06	3.5E-06	1.6E-06	2.9E-07	2.6E-06	1.3E-06	1.3E-06	1.2E-06	2.5E-07	6.9E-06
224	UCART1	410579.2	3774428.13	410579.21, 3774428.13	4.79E-02	9.42E-03	1.7E-05	5.0E-05	9.8E-06	5.7E-06	5.2E-06	2.4E-06	6.5E-07	5.9E-06	1.9E-06	1.9E-06	1.7E-06	3.7E-07	1.2E-05
225	UCART1	410264.2	3774473.13	410264.21, 3774473.13	2.15E-03	1.28E-03	7.5E-07	2.3E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	2.9E-08	2.7E-07	2.6E-07	2.5E-07	2.3E-07	5.0E-08	1.1E-06
226	UCART1	410309.2	3774473.13	410309.21, 3774473.13	2.81E-03	1.58E-03	9.7E-07	2.9E-06	1.7E-06	9.6E-07	8.7E-07	4.0E-07	3.8E-08	3.5E-07	3.2E-07	3.2E-07	2.9E-07	6.2E-08	1.4E-06
227	UCART1	410354.2	3774473.13	410354.21, 3774473.13	3.80E-03	2.01E-03	1.3E-06	4.0E-06	2.1E-06	1.2E-06	1.1E-06	5.0E-07	5.2E-08	4.7E-07	4.1E-07	4.0E-07	3.6E-07	7.9E-08	1.8E-06
228	UCART1	410399.2	3774473.13	410399.21, 3774473.13	5.37E-03	2.64E-03	1.9E-06	5.6E-06	2.8E-06	1.6E-06	1.4E-06	6.6E-07	7.3E-08	6.6E-07	5.4E-07	5.3E-07	4.8E-07	1.0E-07	2.4E-06
229	UCART1	410444.2	3774473.13	410444.21, 3774473.13	8.11E-03	3.63E-03	2.8E-06	8.5E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	1.1E-07	1.0E-06	7.4E-07	7.2E-07	6.6E-07	1.4E-07	3.4E-06
230	UCART1	410489.2	3774473.13	410489.21, 3774473.13	1.35E-02	5.27E-03	4.7E-06	1.4E-05	5.5E-06	3.2E-06	2.9E-06	1.3E-06	1.8E-07	1.7E-06	1.1E-06	1.1E-06	9.5E-07	2.1E-07	5.1E-06
231	UCART1	410534.2	3774473.13	410534.21, 3774473.13	2.70E-02	8.22E-03	9.3E-06	2.8E-05	8.6E-06	5.0E-06	4.5E-06	2.1E-06	3.7E-07	3.3E-06	1.7E-06	1.6E-06	1.5E-06	3.2E-07	8.8E-06
232	UCART1	410579.2	3774473.13	410579.21, 3774473.13	8.26E-02	1.41E-02	2.9E-05	8.6E-05	1.5E-05	8.5E-06	7.7E-06	3.5E-06	1.1E-06	1.0E-05	2.9E-06	2.8E-06	2.5E-06	5.6E-07	2.0E-05
233	UCART1	410264.2	3774518.13	410264.21, 3774518.13	2.17E-03	1.31E-03	7.5E-07	2.3E-06	1.4E-06	7.9E-07	7.2E-07	3.3E-07	3.0E-08	2.7E-07	2.7E-07	2.6E-07	2.4E-07	5.2E-08	1.1E-06
234	UCART1	410309.2	3774518.13	410309.21, 3774518.13	2.83E-03	1.63E-03	9.8E-07	3.0E-06	1.7E-06	9.9E-07	9.0E-07	4.1E-07	3.9E-08	3.5E-07	3.4E-07	3.3E-07	3.0E-07	6.4E-08	1.4E-06
235	UCART1	410354.2	3774518.13	410354.21, 3774518.13	3.84E-03	2.09E-03	1.3E-06	4.0E-06	2.2E-06	1.3E-06	1.1E-06	5.2E-07	5.2E-08	4.7E-07	4.3E-07	4.2E-07	3.8E-07	8.3E-08	1.8E-06
236	UCART1	410399.2	3774518.13	410399.21, 3774518.13	5.47E-03	2.79E-03	1.9E-06	5.7E-06	2.9E-06	1.7E-06	1.5E-06	7.0E-07	7.4E-08	6.7E-07	5.7E-07	5.6E-07	5.1E-07	1.1E-07	2.5E-06
237	UCART1	410444.2	3774518.13	410444.21, 3774518.13	8.34E-03	3.91E-03	2.9E-06	8.7E-06	4.1E-06	2.4E-06	2.1E-06	9.8E-07	1.1E-07	1.0E-06	8.0E-07	7.8E-07	7.1E-07	1.5E-07	3.6E-06
238	UCART1	410489.2	3774518.13	410489.21, 3774518.13	1.42E-02	5.88E-03	4.9E-06	1.5E-05	6.1E-06	3.6E-06	3.2E-06	1.5E-06	1.9E-07	1.7E-06	1.2E-06	1.2E-06	1.1E-06	2.3E-07	5.6E-06
239	UCART1	410534.2	3774518.13	410534.21, 3774518.13	2.87E-02	9.79E-03	9.9E-06	3.0E-05	1.0E-05	5.9E-06	5.4E-06	2.5E-06	3.9E-07	3.5E-06	2.0E-06	2.0E-06	1.8E-06	3.9E-07	1.0E-05
240	UCART1	410579.2	3774518.13	410579.21, 3774518.13	8.48E-02	1.92E-02	2.9E-05	8.9E-05	2.0E-05	1.2E-05	1.1E-05	4.8E-06	1.2E-06	1.0E-05	3.9E-06	3.8E-06	3.5E-06	7.6E-07	2.4E-05
241	UCART1	410264.2	3774563.13	410264.21, 3774563.13	2.15E-03	1.32E-03	7.4E-07	2.2E-06	1.4E-06	8.0E-07	7.2E-07	3.3E-07	2.9E-08	2.6E-07	2.7E-07	2.6E-07	2.4E-07	5.2E-08	1.1E-06
242	UCART1	410309.2	3774563.13	410309.21, 3774563.13	2.79E-03	1.65E-03	9.7E-07	2.9E-06	1.7E-06	1.0E-06	9.0E-07	4.1E-07	3.8E-08	3.4E-07	3.4E-07	3.3E-07	3.0E-07	6.5E-08	1.4E-06
243	UCART1	410354.2	3774563.13	410354.21, 3774563.13	3.76E-03	2.12E-03	1.3E-06	3.9E-06	2.2E-06	1.3E-06	1.2E-06	5.3E-07	5.1E-08	4.6E-07	4.3E-07	4.2E-07	3.8E-07	8.3E-08	1.8E-06
244	UCART1	410399.2	3774563.13	410399.21, 3774563.13	5.30E-03	2.83E-03	1.8E-06	5.5E-06	3.0E-06	1.7E-06	1.6E-06	7.1E-07	7.2E-08	6.5E-07	5.8E-07	5.6E-07	5.1E-07	1.1E-07	2.5E-06
245	UCART1	410444.2	3774563.13	410444.21, 3774563.13	7.98E-03	3.98E-03	2.8E-06	8.3E-06	4.2E-06	2.4E-06	2.2E-06	1.0E-06	1.1E-07	9.8E-07	8.2E-07	7.9E-07	7.2E-07	1.6E-07	3.6E-06
246	UCART1	410489.2	3774563.13	410489.21, 3774563.13	1.32E-02	6.02E-03	4.6E-06	1.4E-05	6.3E-06	3.6E-06	3.3E-06	1.5E-06	1.8E-07	1.6E-06	1.2E-06	1.2E-06	1.1E-06	2.4E-07	5.6E-06
247	UCART1	410534.2	3774563.13	410534.21, 3774563.13	2.53E-02	1.01E-02	8.7E-06	2.6E-05	1.1E-05	6.1E-06	5.6E-06	2.5E-06	3.4E-07	3.1E-06	2.1E-06	2.0E-06	1.8E-06	4.0E-07	9.8E-06
248	UCART1	410579.2	3774563.13	410579.21, 3774563.13	6.69E-02	2.05E-02	2.3E-05	7.0E-05	2.1E-05	1.2E-05	1.1E-05	5.1E-06	9.1E-07	8.2E-06	4.2E-06	4.1E-06	3.7E-06	8.1E-07	2.2E-05
249	UCART1	410264.2	3774608.13	410264.21, 3774608.13	2.08E-03	1.30E-03	7.2E-07	2.2E-06	1.4E-06	7.9E-07	7.1E-07	3.3E-07	2.8E-08	2.6E-07	2.7E-07	2.6E-07	2.4E-07	5.1E-08	1.1E-06
250	UCART1	410309.2	3774608.13	410309.21, 3774608.13	2.67E-03	1.62E-03	9.2E-07	2.8E-06	1.7E-06	9.8E-07	8.9E-07	4.0E-07	3.6E-08	3.3E-07	3.3E-07	3.2E-07	2.9E-07	6.4E-08	1.4E-06
251	UCART1	410354.2	3774608.13	410354.21, 3774608.13	3.54E-03	2.06E-03	1.2E-06	3.7E-06	2.2E-06	1.2E-06	1.1E-06	5.2E-07	4.8E-08	4.4E-07	4.2E-07	4.1E-07	3.7E-07	8.1E-08	1.8E-06
252	UCART1	410399.2	3774608.13	410399.21, 3774608.13	4.88E-03	2.73E-03	1.7E-06	5.1E-06	2.9E-06	1.7E-06	1.5E-06	6.8E-07	6.6E-08	6.0E-07	5.6E-07	5.5E-07	4.9E-07	1.1E-07	2.4E-06
253	UCART1	410444.2	3774608.13	410444.21, 3774608.13	7.08E-03	3.79E-03	2.5E-06	7.4E-06	4.0E-06	2.3E-06	2.1E-06	9.5E-07	9.6E-08	8.7E-07	7.8E-07	7.6E-07	6.9E-07	1.5E-07	3.3E-06
254	UCART1	410489.2	3774608.13	410489.21, 3774608.13	1.10E-02	5.59E-03	3.8E-06	1.2E-05	5.8E-06	3.4E-06	3.1E-06	1.4E-06	1.5E-07	1.4E-06	1.1E-06	1.1E-06	1.0E-06	2.2E-07	5.0E-06
255	UCART1	410534.2	3774608.13	410534.21, 3774608.13	1.87E-02	8.97E-03	6.5E-06	2.0E-05	9.4E-06	5.4E-06	4.9E-06	2.2E-06	2.5E-07	2.3E-06	1.8E-06	1.8E-06	1.6E-06	3.5E-07	8.2E-06
256	UCART1	410579.2	3774608.13	410579.21, 3774608.13	3.71E-02	1.63E-02	1.3E-05	3.9E-05	1.7E-05	9.9E-06	9.0E-06	4.1E-06	5.1E-07	4.6E-06	3.4E-06	3.3E-06	3.0E-06	6.4E-07	1.5E-05
257	UCART1	410624.2	3774608.13	410624.21, 3774608.13	8.10E-02	3.50E-02	2.8E-05	8.5E-05	3.7E-05	2.1E-05	1.9E-05	8.7E-06	1.1E-06	1.0E-05	7.2E-06	7.0E-06	6.3E-06	1.4E-06	3.3E-05
258	UCART1	410759.2	3774608.13	410759.21, 3774608.13	6.36E-02	4.64E-02	2.2E-05	6.7E-05	4.8E-05	2.8E-05	2.5E-05	1.2E-05	8.7E-07	7.8E-06	9.5E-06	9.3E-06	8.4E-06	1.8E-06	3.8E-05
259	UCART1	410804.2	3774608.13	410804.21, 3774608.13	3.12E-02	2.64E-02	1.1E-05	3.3E-05	2.8E-05	1.6E-05	1.4E-05	6.6E-06	4.2E-07	3.8E-06	5.4E-06	5.3E-06	4.8E-06	1.0E-06	2.1E-05
260	UCART1	410354.2	3774653.13	410354.21, 3774653.13	3.22E-03	1.95E-03	1.1E-06	3.4E-06	2.0E-06	1.2E-06	1.1E-06	4.9E-07	4.4E-08	4.0E-07	4.0E-07	3.9E-07	3.5E-07	7.7E-08	1.7E-06
261	UCART1	410399.2	3774653.13	410399.21, 3774653.13	4.31E-03	2.53E-03	1.5E-06	4.5E-06	2.6E-06	1.5E-06	1.4E-06	6.3E-07	5.9E-08	5.3E-07	5.2E-07	5.1E-07	4.6E-07	1.0E-07	2.2E-06
262	UCART1	410444.2	3774653.13	410444.21, 3774653.13	5.97E-03	3.41E-03	2.1E-06	6.2E-06	3.6E-06	2.1E-06	1.9E-06	8.5E-07	8.1E-08	7.4E-07	7.0E-07	6.8E-07	6.2E-07	1.3E-07	3.0E-06
263	UCART1	410489.2	3774653.13	410489.21, 3774653.13	8.61E-03	4.80E-03	3.0E-06	9.0E-06	5.0E-06	2.9E-06	2.6E-06	1.2E-06	1.2E-07	1.1E-06	9.9E-07	9.6E-07	8.7E-07	1.9E-07	4.2E-06
264	UCART1	410534.2	3774653.13	410534.21, 3774653.13	1.30E-02	7.11E-03	4.5E-06	1.4E-05	7.4E-06	4.3E-06	3.9E-06	1.8E-06	1.8E-07	1.6E-06	1.5E-06	1.4E-06	1.3E-06	2.8E-07	6.2E-06
265	UCART1	410579.2	3774653.13	410579.21, 3774653.13	2.01E-02	1.11E-02	7.0E-06	2.1E-05	1.2E-05	6.7E-06	6.1E-06	2.8E-06	2.7E-07	2.5E-06	2.3E-06	2.2E-06	2.0E-06	4.4E-07	9.7E-06
266	UCART1	410624.2	3774653.13	410624.21, 3774653.13	3.03E-02	1.76E-02	1.1E-05	3.2E-05	1.8E-05	1.1E-05	9.6E-06	4.4E-06	4.1E-07	3.7E-06	3.6E-06	3.5E-06	3.2E-06	6.9E-07	1.5E-05
267	UCART1	410669.2	3774653.13	410669.21, 3774653.13	4.03E-02	2.48E-02	1.4E-05	4.2E-05	2.6E-05	1.5E-05	1.4E-05	6.2E-06	5.5E-07	5.0E-06	5.1E-06	4.9E-06	4.5E-06	9.8E-07	2.1E-05
268	UCART1	410714.2	3774653.13	410714.21, 3774653.13	4.13E-02	2.63E-02	1.4E-05	4.3E-05	2.7E-05	1.6E-05	1.4E-05	6.6E-06	5.6E-07	5.1E-06	5.4E-06	5.3E-06	4.8E-06	1.0E-06	2.2E-05
269	UCART1	410759.2	3774653.13	410759.21, 3774653.13	3.07E-02	2.20E-02	1.1E-05	3.2E-05	2.3E-05	1.3E-05	1.2E-05	5.5E-06	4.2E-07	3.8E-06	4.5E-06	4.4E-06	4.0E-06	8.7E-07	1.8E-05
270	UCART1	410804.2	3774653.13	410804.21, 3774653.13	2.09E-02	1.66E-02	7.2E-06	2.2E-05	1.7E-05	1.0E-05	9.1E-06	4.2E-06	2.8E-07	2.6E-06	3.4E-06	3.3E-06	3.0E-06	6.6E-07	1.3E-05
271	UCART1	410354.2	3774698.13	410354.21, 3774698.13	2.85E-03	1.79E-03	9.9E-07	3.0E-06	1.9E-06	1.1E-06	9.8E-07	4.5E-07	3.9E-08	3.5E-07	3.7E-07	3.6E-07	3.2E-07	7.1E-08	1.5E-06
272	UCART1	410399.2	3774698.13	410399.21, 3774698.13	3.68E-03	2.27E-03	1.3E-06	3.9E-06	2.4E-06	1.4E-06	1.2E-06	5.7E-07	5.0E-08	4.5E-07	4.7E-07	4.5E-07	4.1E-07	9.0E-08	1.9E-06
273	UCART1	410444.2	3774698.13	410444.21, 3774698.13	4.86E-03	2.95E-03	1.7E-06	5.1E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	6.6E-08	6.0E-07	6.0E-07	5.9E-07	5.3E-07	1.2E-07	2.5E-06
274	UCART1	410489.2	3774698.13	410489.21, 3774698.13	6.53E-03	3.92E-03	2.3E-06	6.8E-06	4.1E-06	2.4E-06	2.2E-06	9.8E-07	8.9E-08	8.0E-07	8.1E-07	7.8E-07	7.1E-07	1.5E-07	3.3E-06
275	UCART1	410534.2	3774698.13	410534.21, 3774698.13	8.89E-03	5.34E-03	3.1E-06	9.3E-06	5.6E-06	3.2E-06	2.9E-06	1.3E-06	1.2E-07	1.1E-06	1.1E-06	1.1E-06	9.7E-07	2.1E-07	4.6E-06
276	UCART1	410579.2	3774698.13	410579.21, 3774698.13	1.20E-02	7.33E-03	4.2E-06	1.3E-05	7.7E-06	4.4E-06	4.0E-06	1.8E-06	1.6E-07	1.5E-06	1.5E-06	1.5E-06	1.3E-06	2.9E-07	6.2E-06
277	UCART1	410624.2	3774698.13	410624.21, 3774698.13	1.54E-02	9.77E-03	5.3E-06	1.6E-05	1.0E-05	5.9E-06	5.4E-06	2.4E-06	2.1E-07	1.9E-06	2.0E-06	2.0E-06	1.8E-06	3.9E-07	8.2E-06
278	UCART1	410669.2	3774698.13	410669.21, 3774698.13	1.81E-02	1.18E-02	6.3E-06	1.9E-05	1.2E-05	7.2E-06	6.5E-06	3.0E-06	2.5E-07	2.2E-06	2.4E-06	2.4E-06	2.1E-06	4.7E-07	9.9E-06
279	UCART1	410714.2	3774698.13	410714.21, 3774698.13	1.86E-02	1.23E-02	6.4E-06	1.9E-05	1.3E-05	7.4E-06	6.8E-06	3.1E-06	2.5E-07	2.3E-06	2.5E-06	2.5E-06	2.2E-06	4.9E-07	1.0E-05
280	UCART1	410759.2	3774698.13	410759.21, 3774698.13	1.68E-02	1.14E-02	5.8E-06	1.8E-05	1.2E-05	6.9E-06	6.2E-06	2.8E-06	2.3E-07	2.1E-06	2.3E-06	2.3E-06	2.1E-06	4.5E-07	9.4E-06
281	UCART1	410804.2	3774698.13	410804.21, 3774698.13	1.39E-02	9.93E-03	4.8E-06	1.4E-05	1.0E-05	6.0E-06	5.4E-06	2.5E-06	1.9E-07	1.7E-06	2.0E-06	2.0E-06	1.8E-06	3.9E-07	8.1E-06
282	UCART1	410444.2	3774743.13	410444.21, 3774743.13	3.90E-03	2.48E-03	1.3E-06	4.1E-06	2.6E-06	1.5E-06	1.4E-06	6.2E-07	5.3E-08	4.8E-07	5.1E-07	5.0E-07	4.5E-07	9.8E-08	2.1E-06
283	UCART1	410489.2	3774743.13	410489.21, 3774743.13	4.94E-03	3.14E-03	1.7E-06	5.2E-06	3.3E-06	1.9E-06	1.7E-06	7.9E-07	6.7E-08	6.1E-07	6.4E-07	6.3E-07	5.7E-07	1.2E-07	2.6E-06
284	UCART1	410534.2	3774743.13	410534.21, 3774743.13	6.24E-03	3.99E-03	2.2E-06	6.5E-06	4.2E-06	2.4E-06	2.2E-06	1.0E-06	8.5E-08	7.7E-07	8.2E-07	8.0E-07	7.2E-07	1.6E-07	3.3E-06

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285	UCART1	410579.2	3774743.13	410579.21, 3774743.13	7.74E-03	5.01E-03	2.7E-06	8.1E-06	5.2E-06	3.0E-06	2.7E-06	1.3E-06	1.1E-07	9.5E-07	1.0E-06	1.0E-06	9.1E-07	2.0E-07	4.2E-06
286	UCART1	410624.2	3774743.13	410624.21, 3774743.13	9.18E-03	6.07E-03	3.2E-06	9.6E-06	6.3E-06	3.7E-06	3.3E-06	1.5E-06	1.2E-07	1.1E-06	1.2E-06	1.2E-06	1.1E-06	2.4E-07	5.1E-06
287	UCART1	410669.2	3774743.13	410669.21, 3774743.13	1.02E-02	6.87E-03	3.5E-06	1.1E-05	7.2E-06	4.2E-06	3.8E-06	1.7E-06	1.4E-07	1.3E-06	1.4E-06	1.4E-06	1.2E-06	2.7E-07	5.7E-06
288	UCART1	410714.2	3774743.13	410714.21, 3774743.13	1.05E-02	7.11E-03	3.6E-06	1.1E-05	7.4E-06	4.3E-06	3.9E-06	1.8E-06	1.4E-07	1.3E-06	1.5E-06	1.4E-06	1.3E-06	2.8E-07	5.9E-06
289	UCART1	410759.2	3774743.13	410759.21, 3774743.13	1.02E-02	6.82E-03	3.5E-06	1.1E-05	7.1E-06	4.1E-06	3.7E-06	1.7E-06	1.4E-07	1.3E-06	1.4E-06	1.4E-06	1.2E-06	2.7E-07	5.7E-06
290	UCART1	410804.2	3774743.13	410804.21, 3774743.13	9.51E-03	6.27E-03	3.3E-06	9.9E-06	6.6E-06	3.8E-06	3.4E-06	1.6E-06	1.3E-07	1.2E-06	1.3E-06	1.3E-06	1.1E-06	2.5E-07	5.2E-06
291	UCART1	410444.2	3774788.13	410444.21, 3774788.13	3.12E-03	2.07E-03	1.1E-06	3.3E-06	2.2E-06	1.3E-06	1.1E-06	5.2E-07	4.2E-08	3.8E-07	4.2E-07	4.1E-07	3.7E-07	8.2E-08	1.7E-06
292	UCART1	410489.2	3774788.13	410489.21, 3774788.13	3.78E-03	2.51E-03	1.3E-06	3.9E-06	2.6E-06	1.5E-06	1.4E-06	6.3E-07	5.1E-08	4.7E-07	5.1E-07	5.0E-07	4.5E-07	9.9E-08	2.1E-06
293	UCART1	410534.2	3774788.13	410534.21, 3774788.13	4.53E-03	3.02E-03	1.6E-06	4.7E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	6.2E-08	5.6E-07	6.2E-07	6.0E-07	5.5E-07	1.2E-07	2.5E-06
294	UCART1	410579.2	3774788.13	410579.21, 3774788.13	5.32E-03	3.58E-03	1.8E-06	5.6E-06	3.7E-06	2.2E-06	2.0E-06	9.0E-07	7.2E-08	6.6E-07	7.3E-07	7.1E-07	6.5E-07	1.4E-07	3.0E-06
295	UCART1	410624.2	3774788.13	410624.21, 3774788.13	6.04E-03	4.10E-03	2.1E-06	6.3E-06	4.3E-06	2.5E-06	2.3E-06	1.0E-06	8.2E-08	7.4E-07	8.4E-07	8.2E-07	7.4E-07	1.6E-07	3.4E-06
296	UCART1	410669.2	3774788.13	410669.21, 3774788.13	6.55E-03	4.48E-03	2.3E-06	6.8E-06	4.7E-06	2.7E-06	2.5E-06	1.1E-06	8.9E-08	8.1E-07	9.2E-07	8.9E-07	8.1E-07	1.8E-07	3.7E-06
297	UCART1	410714.2	3774788.13	410714.21, 3774788.13	6.77E-03	4.61E-03	2.3E-06	7.1E-06	4.8E-06	2.8E-06	2.5E-06	1.2E-06	9.2E-08	8.3E-07	9.5E-07	9.2E-07	8.3E-07	1.8E-07	3.8E-06
298	UCART1	410759.2	3774788.13	410759.21, 3774788.13	6.79E-03	4.50E-03	2.4E-06	7.1E-06	4.7E-06	2.7E-06	2.5E-06	1.1E-06	9.2E-08	8.4E-07	9.2E-07	9.0E-07	8.1E-07	1.8E-07	3.7E-06
299	UCART1	410804.2	3774788.13	410804.21, 3774788.13	7.31E-03	4.26E-03	2.5E-06	7.6E-06	4.4E-06	2.6E-06	2.3E-06	1.1E-06	9.9E-08	9.0E-07	8.7E-07	8.5E-07	7.7E-07	1.7E-07	3.7E-06
300	UCART1	410489.2	3774833.13	410489.21, 3774833.13	2.93E-03	2.01E-03	1.0E-06	3.1E-06	2.1E-06	1.2E-06	1.1E-06	5.0E-07	4.0E-08	3.6E-07	4.1E-07	4.0E-07	3.6E-07	7.9E-08	1.7E-06
301	UCART1	410534.2	3774833.13	410534.21, 3774833.13	3.39E-03	2.33E-03	1.2E-06	3.5E-06	2.4E-06	1.4E-06	1.3E-06	5.8E-07	4.6E-08	4.2E-07	4.8E-07	4.7E-07	4.2E-07	9.2E-08	1.9E-06
302	UCART1	410579.2	3774833.13	410579.21, 3774833.13	3.85E-03	2.66E-03	1.3E-06	4.0E-06	2.8E-06	1.6E-06	1.5E-06	6.7E-07	5.2E-08	4.7E-07	5.5E-07	5.3E-07	4.8E-07	1.0E-07	2.2E-06
303	UCART1	410624.2	3774833.13	410624.21, 3774833.13	4.26E-03	2.95E-03	1.5E-06	4.5E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	5.8E-08	5.3E-07	6.1E-07	5.9E-07	5.3E-07	1.2E-07	2.4E-06
304	UCART1	410669.2	3774833.13	410669.21, 3774833.13	4.60E-03	3.15E-03	1.6E-06	4.8E-06	3.3E-06	1.9E-06	1.7E-06	7.9E-07	6.3E-08	5.7E-07	6.5E-07	6.3E-07	5.7E-07	1.2E-07	2.6E-06
305	UCART1	410714.2	3774833.13	410714.21, 3774833.13	4.88E-03	3.23E-03	1.7E-06	5.1E-06	3.4E-06	2.0E-06	1.8E-06	8.1E-07	6.6E-08	6.0E-07	6.6E-07	6.4E-07	5.8E-07	1.3E-07	2.7E-06
306	UCART1	410759.2	3774833.13	410759.21, 3774833.13	5.76E-03	3.20E-03	2.0E-06	6.0E-06	3.3E-06	1.9E-06	1.8E-06	8.0E-07	7.8E-08	7.1E-07	6.6E-07	6.4E-07	5.8E-07	1.3E-07	2.8E-06
307	UCART1	410489.2	3774878.13	410489.21, 3774878.13	2.33E-03	1.64E-03	8.1E-07	2.4E-06	1.7E-06	9.9E-07	9.0E-07	4.1E-07	3.2E-08	2.9E-07	3.4E-07	3.3E-07	3.0E-07	6.5E-08	1.3E-06
308	UCART1	410534.2	3774878.13	410534.21, 3774878.13	2.61E-03	1.84E-03	9.0E-07	2.7E-06	1.9E-06	1.1E-06	1.0E-06	4.6E-07	3.6E-08	3.2E-07	3.8E-07	3.7E-07	3.3E-07	7.3E-08	1.5E-06
309	UCART1	410579.2	3774878.13	410579.21, 3774878.13	2.90E-03	2.04E-03	1.0E-06	3.0E-06	2.1E-06	1.2E-06	1.1E-06	5.1E-07	3.9E-08	3.6E-07	4.2E-07	4.1E-07	3.7E-07	8.1E-08	1.7E-06
310	UCART1	410624.2	3774878.13	410624.21, 3774878.13	3.17E-03	2.21E-03	1.1E-06	3.3E-06	2.3E-06	1.3E-06	1.2E-06	5.5E-07	4.3E-08	3.9E-07	4.5E-07	4.4E-07	4.0E-07	8.7E-08	1.8E-06
311	UCART1	410669.2	3774878.13	410669.21, 3774878.13	3.50E-03	2.34E-03	1.2E-06	3.7E-06	2.5E-06	1.4E-06	1.3E-06	5.9E-07	4.8E-08	4.3E-07	4.8E-07	4.7E-07	4.2E-07	9.3E-08	1.9E-06
312	UCART1	410714.2	3774878.13	410714.21, 3774878.13	4.20E-03	2.40E-03	1.5E-06	4.4E-06	2.5E-06	1.5E-06	1.3E-06	6.0E-07	5.7E-08	5.2E-07	4.9E-07	4.8E-07	4.3E-07	9.5E-08	2.1E-06

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Worker Risk

Onsite Circulation	Idle	Offsite Liveoak	Offsite Stewart	Offsite Arrow	CHE	Generator
2.05E-07	1.22E-07	5.72E-07	6.89E-07	1.72E-06	2.47E-03	9.51E-05

Discrete Receptor ID				Construction	Operations								Worker Dose		Worker Risk		
	X	Y	X, Y	Total	Onsite Trucks	Idle	Offsite Liveoak	Offsite Stewart	Offsite Arrow	CHE	Generator	Total	Construction	Operations	Construction	Operations	Total Risk
1 UCART1	410264.21	3774023.13	410264.21, 3774023.13	8.52E-04	4.32E-08	2.72E-08	2.20E-07	1.51E-07	2.10E-07	5.65E-04	5.42E-08	5.66E-04	5.6E-07	3.7E-07	8.9E-09	1.4E-07	1.5E-07
2 UCART1	410309.21	3774023.13	410309.21, 3774023.13	9.36E-04	4.68E-08	2.96E-08	2.39E-07	1.63E-07	2.22E-07	6.14E-04	5.80E-08	6.14E-04	6.2E-07	4.1E-07	9.7E-09	1.5E-07	1.6E-07
3 UCART1	410354.21	3774023.13	410354.21, 3774023.13	1.02E-03	5.05E-08	3.20E-08	2.56E-07	1.74E-07	2.35E-07	6.64E-04	6.18E-08	6.65E-04	6.8E-07	4.4E-07	1.1E-08	1.7E-07	1.8E-07
4 UCART1	410399.21	3774023.13	410399.21, 3774023.13	1.11E-03	5.43E-08	3.45E-08	2.71E-07	1.85E-07	2.48E-07	7.15E-04	6.56E-08	7.16E-04	7.4E-07	4.7E-07	1.2E-08	1.8E-07	1.9E-07
5 UCART1	410444.21	3774023.13	410444.21, 3774023.13	1.19E-03	5.81E-08	3.69E-08	2.84E-07	1.95E-07	2.61E-07	7.64E-04	7.04E-08	7.65E-04	7.9E-07	5.1E-07	1.2E-08	1.9E-07	2.0E-07
6 UCART1	410489.21	3774023.13	410489.21, 3774023.13	1.26E-03	6.15E-08	3.91E-08	2.93E-07	2.02E-07	2.74E-07	8.07E-04	7.61E-08	8.08E-04	8.3E-07	5.3E-07	1.3E-08	2.0E-07	2.1E-07
7 UCART1	410534.21	3774023.13	410534.21, 3774023.13	1.31E-03	6.45E-08	4.10E-08	3.00E-07	2.07E-07	2.87E-07	8.43E-04	8.28E-08	8.44E-04	8.7E-07	5.6E-07	1.4E-08	2.1E-07	2.2E-07
8 UCART1	410579.21	3774023.13	410579.21, 3774023.13	1.34E-03	6.68E-08	4.24E-08	3.04E-07	2.10E-07	3.00E-07	8.69E-04	9.04E-08	8.70E-04	8.9E-07	5.8E-07	1.4E-08	2.2E-07	2.3E-07
9 UCART1	410624.21	3774023.13	410624.21, 3774023.13	1.34E-03	6.83E-08	4.32E-08	3.04E-07	2.10E-07	3.12E-07	8.82E-04	9.80E-08	8.83E-04	8.9E-07	5.8E-07	1.4E-08	2.2E-07	2.3E-07
10 UCART1	410669.21	3774023.13	410669.21, 3774023.13	1.32E-03	6.89E-08	4.35E-08	3.02E-07	2.07E-07	3.23E-07	8.84E-04	1.05E-07	8.85E-04	8.8E-07	5.9E-07	1.4E-08	2.2E-07	2.3E-07
11 UCART1	410714.21	3774023.13	410714.21, 3774023.13	1.29E-03	6.86E-08	4.31E-08	2.96E-07	2.02E-07	3.32E-07	8.73E-04	1.07E-07	8.74E-04	8.5E-07	5.8E-07	1.3E-08	2.2E-07	2.3E-07
12 UCART1	410759.21	3774023.13	410759.21, 3774023.13	1.23E-03	6.75E-08	4.22E-08	2.88E-07	1.96E-07	3.40E-07	8.52E-04	1.05E-07	8.53E-04	8.2E-07	5.6E-07	1.3E-08	2.1E-07	2.3E-07
13 UCART1	410804.21	3774023.13	410804.21, 3774023.13	1.17E-03	6.56E-08	4.09E-08	2.76E-07	1.88E-07	3.46E-07	8.23E-04	9.99E-08	8.24E-04	7.7E-07	5.4E-07	1.2E-08	2.1E-07	2.2E-07
14 UCART1	410849.21	3774023.13	410849.21, 3774023.13	1.10E-03	6.32E-08	3.92E-08	2.63E-07	1.79E-07	3.49E-07	7.87E-04	9.42E-08	7.87E-04	7.3E-07	5.2E-07	1.1E-08	2.0E-07	2.1E-07
15 UCART1	410894.21	3774023.13	410894.21, 3774023.13	1.02E-03	6.03E-08	3.72E-08	2.47E-07	1.70E-07	3.50E-07	7.46E-04	8.75E-08	7.47E-04	6.8E-07	4.9E-07	1.1E-08	1.9E-07	2.0E-07
16 UCART1	410939.21	3774023.13	410939.21, 3774023.13	9.50E-04	5.72E-08	3.51E-08	2.30E-07	1.61E-07	3.48E-07	7.03E-04	8.18E-08	7.03E-04	6.3E-07	4.7E-07	9.9E-09	1.8E-07	1.9E-07
17 UCART1	410984.21	3774023.13	410984.21, 3774023.13	8.78E-04	5.39E-08	3.29E-08	2.13E-07	1.51E-07	3.44E-07	6.58E-04	7.90E-08	6.59E-04	5.8E-07	4.4E-07	9.1E-09	1.6E-07	1.7E-07
18 UCART1	411029.21	3774023.13	411029.21, 3774023.13	8.09E-04	5.06E-08	3.08E-08	1.96E-07	1.42E-07	3.37E-07	6.14E-04	7.61E-08	6.15E-04	5.4E-07	4.1E-07	8.4E-09	1.5E-07	1.6E-07
19 UCART1	411074.21	3774023.13	411074.21, 3774023.13	7.45E-04	4.73E-08	2.87E-08	1.79E-07	1.34E-07	3.29E-07	5.72E-04	7.52E-08	5.72E-04	4.9E-07	3.8E-07	7.7E-09	1.4E-07	1.5E-07
20 UCART1	411119.21	3774023.13	411119.21, 3774023.13	6.87E-04	4.41E-08	2.66E-08	1.63E-07	1.26E-07	3.18E-07	5.31E-04	7.32E-08	5.32E-04	4.5E-07	3.5E-07	7.1E-09	1.3E-07	1.4E-07
21 UCART1	411164.21	3774023.13	411164.21, 3774023.13	6.33E-04	4.11E-08	2.48E-08	1.49E-07	1.18E-07	3.07E-07	4.93E-04	7.04E-08	4.94E-04	4.2E-07	3.3E-07	6.6E-09	1.2E-07	1.3E-07
22 UCART1	411209.21	3774023.13	411209.21, 3774023.13	5.85E-04	3.83E-08	2.30E-08	1.36E-07	1.11E-07	2.95E-07	4.58E-04	6.75E-08	4.59E-04	3.9E-07	3.0E-07	6.1E-09	1.1E-07	1.2E-07
23 UCART1	411254.21	3774023.13	411254.21, 3774023.13	5.42E-04	3.57E-08	2.14E-08	1.24E-07	1.04E-07	2.82E-07	4.26E-04	6.37E-08	4.27E-04	3.6E-07	2.8E-07	5.6E-09	1.1E-07	1.1E-07
24 UCART1	411299.21	3774023.13	411299.21, 3774023.13	5.03E-04	3.33E-08	1.99E-08	1.13E-07	9.74E-08	2.68E-07	3.96E-04	5.99E-08	3.97E-04	3.3E-07	2.6E-07	5.2E-09	9.9E-08	1.0E-07
25 UCART1	410264.21	3774068.13	410264.21, 3774068.13	9.48E-04	4.71E-08	2.98E-08	2.59E-07	1.68E-07	2.23E-07	6.19E-04	6.18E-08	6.20E-04	6.3E-07	4.1E-07	9.9E-09	1.5E-07	1.6E-07
26 UCART1	410309.21	3774068.13	410309.21, 3774068.13	1.06E-03	5.15E-08	3.27E-08	2.84E-07	1.82E-07	2.37E-07	6.79E-04	6.47E-08	6.80E-04	7.0E-07	4.5E-07	1.1E-08	1.7E-07	1.8E-07
27 UCART1	410354.21	3774068.13	410354.21, 3774068.13	1.17E-03	5.61E-08	3.58E-08	3.07E-07	1.97E-07	2.52E-07	7.43E-04	6.85E-08	7.44E-04	7.8E-07	4.9E-07	1.2E-08	1.9E-07	2.0E-07
28 UCART1	410399.21	3774068.13	410399.21, 3774068.13	1.29E-03	6.10E-08	3.90E-08	3.28E-07	2.12E-07	2.67E-07	8.10E-04	7.32E-08	8.11E-04	8.6E-07	5.4E-07	1.3E-08	2.0E-07	2.2E-07
29 UCART1	410444.21	3774068.13	410444.21, 3774068.13	1.41E-03	6.59E-08	4.22E-08	3.45E-07	2.25E-07	2.82E-07	8.75E-04	7.90E-08	8.76E-04	9.3E-07	5.8E-07	1.5E-08	2.2E-07	2.3E-07
30 UCART1	410489.21	3774068.13	410489.21, 3774068.13	1.51E-03	7.06E-08	4.52E-08	3.58E-07	2.36E-07	2.98E-07	9.36E-04	8.66E-08	9.37E-04	1.0E-06	6.2E-07	1.6E-08	2.3E-07	2.5E-07
31 UCART1	410534.21	3774068.13	410534.21, 3774068.13	1.60E-03	7.48E-08	4.79E-08	3.67E-07	2.43E-07	3.14E-07	9.88E-04	9.42E-08	9.89E-04	1.1E-06	6.5E-07	1.7E-08	2.5E-07	2.6E-07
32 UCART1	410579.21	3774068.13	410579.21, 3774068.13	1.65E-03	7.81E-08	5.00E-08	3.72E-07	2.47E-07	3.30E-07	1.03E-03	1.05E-07	1.03E-03	1.1E-06	6.8E-07	1.7E-08	2.6E-07	2.7E-07
33 UCART1	410624.21	3774068.13	410624.21, 3774068.13	1.66E-03	8.04E-08	5.13E-08	3.73E-07	2.47E-07	3.45E-07	1.05E-03	1.14E-07	1.05E-03	1.1E-06	6.9E-07	1.7E-08	2.6E-07	2.8E-07
34 UCART1	410669.21	3774068.13	410669.21, 3774068.13	1.64E-03	8.14E-08	5.17E-08	3.70E-07	2.43E-07	3.59E-07	1.05E-03	1.24E-07	1.05E-03	1.1E-06	7.0E-07	1.7E-08	2.6E-07	2.8E-07
35 UCART1	410714.21	3774068.13	410714.21, 3774068.13	1.58E-03	8.11E-08	5.13E-08	3.63E-07	2.37E-07	3.71E-07	1.04E-03	1.25E-07	1.04E-03	1.0E-06	6.9E-07	1.6E-08	2.6E-07	2.8E-07
36 UCART1	410759.21	3774068.13	410759.21, 3774068.13	1.51E-03	7.96E-08	5.01E-08	3.52E-07	2.27E-07	3.82E-07	1.01E-03	1.23E-07	1.01E-03	1.0E-06	6.7E-07	1.6E-08	2.5E-07	2.7E-07
37 UCART1	410804.21	3774068.13	410804.21, 3774068.13	1.42E-03	7.71E-08	4.82E-08	3.37E-07	2.17E-07	3.89E-07	9.69E-04	1.16E-07	9.70E-04	9.4E-07	6.4E-07	1.5E-08	2.4E-07	2.6E-07
38 UCART1	410849.21	3774068.13	410849.21, 3774068.13	1.32E-03	7.38E-08	4.59E-08	3.19E-07	2.05E-07	3.94E-07	9.20E-04	1.08E-07	9.21E-04	8.7E-07	6.1E-07	1.4E-08	2.3E-07	2.4E-07
39 UCART1	410894.21	3774068.13	410894.21, 3774068.13	1.21E-03	7.00E-08	4.32E-08	2.98E-07	1.93E-07	3.96E-07	8.65E-04	1.01E-07	8.66E-04	8.0E-07	5.7E-07	1.3E-08	2.2E-07	2.3E-07
40 UCART1	410939.21	3774068.13	410939.21, 3774068.13	1.11E-03	6.58E-08	4.04E-08	2.75E-07	1.81E-07	3.94E-07	8.07E-04	9.51E-08	8.08E-04	7.3E-07	5.3E-07	1.2E-08	2.0E-07	2.1E-07
41 UCART1	410984.21	3774068.13	410984.21, 3774068.13	1.01E-03	6.14E-08	3.75E-08	2.51E-07	1.70E-07	3.89E-07	7.48E-04	9.23E-08	7.49E-04	6.7E-07	5.0E-07	1.1E-08	1.9E-07	2.0E-07
42 UCART1	411029.21	3774068.13	411029.21, 3774068.13	9.24E-04	5.71E-08	3.47E-08	2.28E-07	1.58E-07	3.81E-07	6.92E-04	9.04E-08	6.93E-04	6.1E-07	4.6E-07	9.6E-09	1.7E-07	1.8E-07
43 UCART1	411074.21	3774068.13	411074.21, 3774068.13	8.43E-04	5.29E-08	3.20E-08	2.06E-07	1.48E-07	3.71E-07	6.38E-04	8.85E-08	6.39E-04	5.6E-07	4.2E-07	8.8E-09	1.6E-07	1.7E-07
44 UCART1	411119.21	3774068.13	411119.21, 3774068.13	7.69E-04	4.90E-08	2.95E-08	1.86E-07	1.38E-07	3.58E-07	5.88E-04	8.47E-08	5.89E-04	5.1E-07	3.9E-07	8.0E-09	1.5E-07	1.5E-07
45 UCART1	411164.21	3774068.13	411164.21, 3774068.13	7.04E-04	4.53E-08	2.72E-08	1.67E-07	1.28E-07	3.44E-07	5.42E-04	8.18E-08	5.42E-04	4.7E-07	3.6E-07	7.3E-09	1.4E-07	1.4E-07
46 UCART1	411209.21	3774068.13	411209.21, 3774068.13	6.46E-04	4.19E-08	2.51E-08	1.51E-07	1.20E-07	3.28E-07	5.00E-04	7.71E-08	5.00E-04	4.3E-07	3.3E-07	6.7E-09	1.2E-07	1.3E-07
47 UCART1	411254.21	3774068.13	411254.21, 3774068.13	5.94E-04	3.88E-08	2.32E-08	1.37E-07	1.12E-07	3.12E-07	4.61E-04	7.32E-08	4.62E-04	3.9E-07	3.1E-07	6.2E-09	1.2E-07	1.2E-07
48 UCART1	411299.21	3774068.13	411299.21, 3774068.13	5.47E-04	3.59E-08	2.14E-08	1.24E-07	1.05E-07	2.95E-07	4.26E-04	6.85E-08	4.26E-04	3.6E-07	2.8E-07	5.7E-09	1.1E-07	1.1E-07
49 UCART1	410264.21	3774113.13	410264.21, 3774113.13	1.06E-03	5.14E-08	3.26E-08	3.09E-07	1.86E-07	2.37E-07	6.80E-04	6.94E-08	6.81E-04	7.0E-07	4.5E-07	1.1E-08	1.7E-07	1.8E-07
50 UCART1	410309.21	3774113.13	410309.21, 3774113.13	1.20E-03	5.67E-08	3.62E-08	3.44E-07	2.05E-07	2.53E-07	7.54E-04	7.42E-08	7.55E-04	7.9E-07	5.0E-07	1.2E-08	1.9E-07	2.0E-07
51 UCART1	410354.21	3774113.13	410354.21, 3774113.13	1.35E-03	6.26E-08	4.01E-08	3.77E-07	2.25E-07	2.70E-07	8.35E-04	7.80E-08	8.36E-04	9.0E-07	5.5E-07	1.4E-08	2.1E-07	2.2E-07
52 UCART1	410399.21	3774113.13	410399.21, 3774113.13	1.52E-03	6.89E-08	4.42E-08	4.06E-07	2.45E-07	2.88E-07	9.22E-04	8.37E-08	9.23E-04	1.0E-06	6.1E-07	1.6E-08	2.3E-07	2.5E-07
53 UCART1	410444.21	3774113.13	410444.21, 3774113.13	1.69E-03	7.54E-08	4.86E-08	4.30E-07	2.63E-07	3.06E-07	1.01E-03	8.94E-08	1.01E-03	1.1E-06	6.7E-07	1.8E-08	2.5E-07	2.7E-07
54 UCART1	410489.21	3774113.13	410489.21, 3774113.13	1.85E-03	8.18E-08	5.28E-08	4.48E-07	2.79E-07	3.25E-07	1.10E-03	9.80E-08	1.10E-03	1.2E-06	7.3E-07	1.9E-08	2.7E-07	2.9E-07
55 UCART1	410534.21	3774113.13	410534.21, 3774113.13	1.98E-03	8.78E-08	5.67E-08	4.60E-07	2.91E-07	3.45E-07	1.17E-03	1.09E-07	1.17E-03	1.3E-06	7.8E-07	2.1E-08	2.9E-07	3.1E-07
56 UCART1	410579.21	3774113.13	410579.21, 3774113.13	2.07E-03	9.27E-08	5.98E-08	4.67E-07	2.97E-07	3.64E-07	1.23E-03	1.22E-07	1.23E-03	1.4E-06	8.2E-07	2.2E-08	3.1E-07	3.3E-07
57 UCART1	410624.21	3774113.13	410624.21, 3774113.13	2.10E-03	9.62E-08	6.19E-08	4.69E-07	2.97E-07	3.83E-07	1.27E-03	1.35E-07	1.27E-03	1.4E-06	8.4E-07	2.2E-08	3.2E-07	3.4E-07
58 UCART1	410669.21	3774113.13	410669.21, 3774113.13	2.08E-03	9.79E-08	6.27E-08	4.65E-07	2.91E-07	4.01E-07	1.28E-03	1.45E-07	1.28E-03	1.4E-06	8.4E-07	2.2E-08	3.2E-07	3.4E-07
59 UCART1	410714.21	3774113.13	410714.21, 3774113.13	2.00E-03	9.77E-08	6.22E-08	4.56E-07	2.81E-07	4.18E-07	1.26E-03	1.46E-07	1.26E-03	1.3E-06	8.3E-07	2.1E-08	3.1E-07	3.4E-07
60 UCART1	410759.21	3774113.13	410759.21, 3774113.13	1.89E-03	9.57E-08	6.05E-08	4.41E-07	2.68E-07	4.32E-07	1.22E-03	1.44E-07	1.22E-03	1.3E-06	8.1E-07	2.0E-08	3.0E-07	3.2E-07
61 UCART1	410804.21	3774113.13	410804.21, 3774113.13	1.75E-03	9.21E-08	5.78E-08	4.21E-07	2.53E-07	4.43E-07	1.16E-03	1.35E-07	1.16E-03	1.2E-06	7.7E-07	1.8E-08	2.9E-07	3.1E-07
62 UCART1	410849.21	3774113.13	410849.21, 3774113.13	1.60E-03	8.75E-08	5.45E-08	3.96E-07	2.38E-07	4.50E-07	1.09E-03	1.26E-07	1.09E-03	1.1E-06	7.2E-07	1.7E-08	2.7E-07	2.9E-07
63 UCART1	410894.21	3774113.13	410894.21, 3774113.13	1.46E-03	8.21E-08	5.08E-08	3.67E-07	2.22E-07	4.53E-07	1.01E-03	1.18E-07	1.02E-03	9.6E-07	6.7E-07	1.5E-08	2.5E-07	2.7E-07
64 UCART1	410939.21	3774113.13	410939.21, 3774113.13	1.31E-03	7.64E-08	4.69E-08	3.36E-07	2.06E-07	4.52E-07	9.35E-04	1.12E-07	9.36E-04	8.7E-07	6.2E-07	1.4E-08	2.3E-07	2.5E-07
65 UCART1	410984.21	3774113.13	410984.21, 3774113.13	1.18E-03	7.06E-08	4.31E-08	3.03E-07	1.91E-07	4.46E-07	8.58E-04	1.10E-07	8.59E-04	7.8E-07	5.7E-07	1.2E-08	2.1E-07	2.3E-07
66 UCART1	411029.21	3774113.13	411029.21, 3774113.13	1.06E-03	6.49E-08	3.94E-08	2.71E-07	1.77E-07	4.36E-07	7.84E-04	1.07E-07	7.85E-04	7.0E-07	5.2E-07	1.1E-08	2.0E-07	2.1E-07
67 UCART1	411074.21	3774113.13	411074.21, 3774113.13	9.60E-04	5.95E-08	3.60E-08	2.41E-07	1.64E-07	4.23E-07	7.15E-04	1.05E-07	7.16E-04	6.4E-07	4.7E-07	1.0E-08	1.8E-07	1.9E-07
68 UCART1	411119.21	3774113.13	411119.21, 3774113.13	8.68E-04	5.46E-08	3.29E-08	2.14E-07	1.52E-07	4.06E-07	6.53E-04	9.99E-08	6.53E-04	5.7E-07	4.3E-07	9.0E-09	1.6E-07	1.7E-07
69 UCART1	411164.21	3774113.13	411164.21, 3774113.13	7.86E-04	5.00E-08	3.00E-08	1.90E-07	1.40E-07	3.88E-07	5.96E-04	9.51E-08	5.97E-04	5.2E-07	3.9E-07	8.2E-09	1.5E-07	1.6E-07
70 UCART1	411209.21	3774113.13	411209.21, 3774113.13	7.17E-04	4.59E-08	2.75E-08	1.69E-07	1.30E-07	3.68E-07	5.46E-04	8.94E-08	5.46E-04	4.7E-07	3.6E-07	7.5E-09	1.4E-07	1.4E-07
71 UCART1	411254.21	3774113.13	411254.21, 3774113.13	6.53E-04	4.22E-08	2.52E-08	1.52E-07	1.21E-07	3.47E-07	4.99E-04	8.37E-08	5.00E-04	4.3E-07	3.3E-07	6.8E-09	1.2E-07	1.3E-07
72 UCART1	411299.21	3774113.13	411299.21, 3774113.13	5.99E-04	3.88E-08	2.31E-08	1.37E-07	1.12E-07	3.27E-07	4.59E-04	7.80E-08	4.60E-04	4.0E-07	3.0E-07	6.2E-09	1.1E-07	1.2E-07
73 UCART1	410264.21	3774158.13	410264.21, 3774158.13	1.18E-03	5.61E-08	3.57E-08	3.77E-07	2.07E-07	2.52E-07	7.46E-04	7.99E-08	7.47E-04	7.8E-07	4.9E-07	1.2E-08	1.9E-07	2.0E-07
74 UCART1	410309.21	3774158.13	410309.21, 3774158.13	1.36E-03	6.26E-08	4.01E-08	4.29E-07	2.31E-07	2.70E-07	8.38E-04	8.56E-08	8.39E-04	9.0E-07	5.6E-07	1.4E-08	2.1E-07	2.2E-07
75 UCART1	410354.21	3774158.13	410354.21, 3774158.13	1.57E-03	6.99E-08	4.50E-08	4.78E-07	2.58E-07	2.90E-07	9.42E-04	9.04E-08	9.43E-04	1.0E-06	6.2E-07	1.6E-08	2.4E-07	2.5E-07
76 UCART1	410399.21	3774158.13	410399.21, 3774158.13	1.80E-03	7.81E-08	5.05E-08	5.20E-07	2.86E-07	3.11E-07	1.06E-03	9.61E-08	1.06E-03	1.2E-06	7.0E-07	1.9E-08	2.6E-07	2.8E-07
77 UCART1	410444.21	3774158.13	410444.21, 3774158.13	2.05E-03	8.68E-08	5.64E-08	5.54E-07	3.13E-07	3.33E-07	1.18E-03	1.03E-07	1.18E-03	1.4E-06	7.8E-07	2.1E-08	2.9E-07	3.2E-07
78 UCART1	410489.21	3774158.13	410489.21, 3774158.13	2.30E-03	9.57E-08	6.24E-08	5.79E-07	3.37E-07	3.56E-07	1.30E-03	1.12E-07	1.30E-03	1.5E-06	8.6E-07	2.4E-08	3.2E-07	3.5E-07
79 UCART1	410534.21	3774158.13	410534.21, 3774158.13	2.52E-03	1.04E-07	6.81E-08	5.95E-07	3.56E-07	3.80E-07	1.41E-03	1.26E-07	1.42E-03	1.7E-06	9.4E-07	2.6E-08	3.5E-07	3.8E-07
80 UCART1	410579.21	3774158.13	410579.21, 3774158.13	2.68E-03	1.12E-07	7.29E-08	6.05E-07	3.65E-07	4.04E-07	1.51E-03	1.42E-07	1.51E-03	1.8E-06	1.0E-06	2.8E-08	3.8E-07	4.0E-07
81 UCART1	410624.21	3774158.13	410624.21, 3774158.13	2.75E-03	1.17E-07	7.62E-08	6.07E-07	3.66E-07	4.28E-07	1.56E-03	1.59E-07	1.57E-03	1.8E-06	1.0E-06	2.9E-08	3.9E-07	4.2E-07
82 UCART1	410669.21	3774158.13	410669.21, 3774158.13	2.72E-03	1.20E-07	7.77E-08	6.02E-07	3.57E-07	4.52E-07	1.58E-03	1.71E-07	1.59E-03	1.8E-06	1.0E-06	2.8E-08	4.0E-07	4.2E-07
83 UCART1	410714.21	3774158.13	410714.21, 3774158.13	2.61E-03	1.20E-07	7.71E-08	5.90E-07	3.42E-07	4.74E-07	1.56E-03	1.73E-07	1.56E-03	1.7E-06	1.0E-06	2.7E-08	3.9E-07	4.2E-07
84 UCART1	410759.21	3774158.13	410759.21, 3774158.13	2.43E-03	1.17E-07	7.47E-08	5.70E-07	3.22E-07	4.93E-07	1.50E-03	1.69E-07	1.50E-03	1.6E-06	1.0E-06	2.5E-08	3.8E-07	4.0E-07
85 UCART1	410804.21	3774158.13	410804.21, 3774158.13	2.22E-03	1.12E-07	7.08E-08	5.43E-07	3.01E-07	5.08E-07	1.42E-03	1.57E-07	1.42E-03	1.5E-06	9.4E-07	2.3E-08	3.5E-07	3.8E-07
86 UCART1	410849.21	3774158.13	410849.21, 3774158.13	1.99E-03	1.06E-07	6.59E-08	5.09E-07	2.78E-07	5.20E-07	1.32E-03	1.47E-07	1.32E-03	1.3E-06	8.7E-07	2.1E-08	3.3E-07	3.5E-07
87 UCART1	410894.21	3774158.13	410894.21, 3774158.13	1.78E-03	9.79E-08	6.06E-08	4.68E-07	2.57E-07	5.26E-07	1.21E-03	1.39E-07	1.21E-03	1.2E-06	8.0E-07	1.8E-08	3.0E-07	3.2E-07
88 UCART1	410939.21	3774158.13	410939.21, 3774158.13	1.57E-03	8.98E-08	5.52E-08	4.22E-07	2.36E-07	5.25E-07	1.10E-03	1.35E-07	1.10E-03	1.0E-06	7.3E-07	1.6E-08	2.7E-07	2.9E-07
89 UCART1	410984.21	3774158.13	410984.21, 3774158.13	1.39E-03	8.19E-08	4.99E-08	3.74E-07	2.17E-07	5.19E-07	9.90E-04	1.32E-07	9.92E-04	9.2E-07	6.6E-07	1.4E-08	2.5E-07	2.6E-07
90 UCART1	411029.21	3774158.13	411029.21, 3774158.13	1.24E-03	7.43E-08	4.51E-08	3.28E-07	1.99E-07	5.06E-07	8.93E-04	1.29E-07	8.94E-04	8.2E-07	5.9E-07	1.3E-08	2.2E-07	2.4E-07
91 UCART1	411074.21	3774158.13	411074.21, 3774158.13	1.10E-03	6.74E-08	4.07E-08	2.86E-07	1.82E-07	4.88E-07	8.05E-04	1.25E-07	8.06E-04	7.3E-07	5.3E-07	1.1E-08	2.0E-07	2.1E-07
92 UCART1	411119.21	3774158.13	411119.21, 3774158.13	9.85E-04	6.11E-08	3.67E-08	2.49E-07	1.68E-07	4.67E-07	7.27E-04	1.18E-07	7.28E-04	6.5E-07	4.8E-07	1.0E-08	1.8E-07	1.9E-07
93 UCART1	411164.21	3774158.13	411164.21, 3774158.13	8.83E-04	5.55E-08	3.33E-08	2.18E-07	1.54E-07	4.42E-07	6.58E-04	1.11E-07	6.59E-04	5.8E-07	4.4E-07	9.2E-09	1.6E-07	1.7E-07
94 UCART1	411209.21	3774158.13	411209.21, 3774158.13	7.98E-04	5.05E-08	3.02E-08	1.92E-07	1.42E-07	4.16E-07	5.97E-04	1.04E-07	5.98E-04	5.3E-07	4.0E-07	8.3E-09	1.5E-07	1.6E-07
95 UCART1	411254.21	3774158.13	411254.21, 3774158.13	7.22E-04	4.60E-08	2.74E-08	1.70E-07	1.31E-07	3.90E-07	5.43E-04	9.61E-08	5.43E-04	4.8E-07	3.6E-07	7.5E-09	1.4E-07	1.4E-07
96 UCART1	411299.21	3774158.13	411299.21, 3774158.13	6.58E-04	4.21E-08	2.51E-08	1.51E-07	1.21E-07	3.64E-07	4.96E-04	8.85E-08	4.97E-04	4.4E-07	3.3E-07	6.8E-09	1.2E-07	1.3E-07
97 UCART1	410264.21	3774203.13	410264.21, 3774203.13	1.32E-03	6.12E-08	3.91E-08	4.74E-07	2.31E-07	2.68E-07	8.19E-04	9.04E-08	8.20E-04	8.7E-07	5.4E-07	1.4E-08	2.0E-07	2.2E-07
98 UCART1	410309.21	3774203.13	410309.21, 3774203.13	1.55E-03	6.91E-08	4.45E-08	5.57E-07	2.62E-07	2.89E-07	9.32E-04	9.80E-08	9.33E-04	1.0E-06	6.2E-07	1.6E-08	2.3E-07	2.5E-07
99 UCART1	410354.21	3774203.13	410354.21, 3774203.13	1.82E-03	7.83E-08	5.07E-08	6.33E-07	2.98E-07	3.12E-07	1.06E-03	1.05E-07	1.07E-03	1.2E-06	7.1E-07	1.9E-08	2.7E-07	2.8E-07
100 UCART1	410399.21	3774203.13	410399.21, 3774203.13	2.15E-03	8.88E-08	5.78E-08	6.97E-07	3.37E-07	3.36E-07	1.22E-03	1.11E-07	1.22E-03	1.4E-06	8.1E-07	2.2E-08	3.0E-07	3.3E-07
101 UCART1	410444.21	3774203.13	410444.21, 3774203.13	2.52E-03	1.01E-07	6.59E-08	7.46E-07	3.79E-07	3.62E-07	1.38E-03	1.19E-07	1.39E-03	1.7E-06	9.2E-07	2.6E-08	3.5E-07	3.7E-07

102	UCART1	410489.21	3774203.13	410489.21, 3774203.13	2.92E-03	1.13E-07	7.45E-08	7.81E-07	4.17E-07	3.90E-07	1.56E-03	1.29E-07	1.56E-03	1.9E-06	1.0E-06	3.0E-08	3.9E-07	4.2E-07
103	UCART1	410534.21	3774203.13	410534.21, 3774203.13	3.29E-03	1.26E-07	8.31E-08	8.03E-07	4.48E-07	4.20E-07	1.74E-03	1.46E-07	1.74E-03	2.2E-06	1.1E-06	3.4E-08	4.3E-07	4.7E-07
104	UCART1	410579.21	3774203.13	410579.21, 3774203.13	3.59E-03	1.37E-07	9.07E-08	8.15E-07	4.65E-07	4.50E-07	1.88E-03	1.65E-07	1.89E-03	2.4E-06	1.2E-06	3.7E-08	4.7E-07	5.1E-07
105	UCART1	410624.21	3774203.13	410624.21, 3774203.13	3.75E-03	1.47E-07	9.64E-08	8.17E-07	4.65E-07	4.81E-07	1.99E-03	1.86E-07	1.99E-03	2.5E-06	1.3E-06	3.9E-08	5.0E-07	5.3E-07
106	UCART1	410669.21	3774203.13	410669.21, 3774203.13	3.73E-03	1.52E-07	9.92E-08	8.11E-07	4.50E-07	5.12E-07	2.02E-03	2.02E-07	2.03E-03	2.5E-06	1.3E-06	3.9E-08	5.1E-07	5.4E-07
107	UCART1	410714.21	3774203.13	410714.21, 3774203.13	3.54E-03	1.52E-07	9.86E-08	7.95E-07	4.25E-07	5.41E-07	1.99E-03	2.06E-07	2.00E-03	2.3E-06	1.3E-06	3.7E-08	5.0E-07	5.3E-07
108	UCART1	410759.21	3774203.13	410759.21, 3774203.13	3.24E-03	1.48E-07	9.48E-08	7.69E-07	3.94E-07	5.68E-07	1.90E-03	2.01E-07	1.91E-03	2.1E-06	1.3E-06	3.4E-08	4.8E-07	5.1E-07
109	UCART1	410804.21	3774203.13	410804.21, 3774203.13	2.89E-03	1.40E-07	8.88E-08	7.32E-07	3.62E-07	5.91E-07	1.77E-03	1.86E-07	1.77E-03	1.9E-06	1.2E-06	3.0E-08	4.4E-07	4.7E-07
110	UCART1	410849.21	3774203.13	410849.21, 3774203.13	2.53E-03	1.30E-07	8.13E-08	6.83E-07	3.30E-07	6.08E-07	1.62E-03	1.74E-07	1.62E-03	1.7E-06	1.1E-06	2.6E-08	4.0E-07	4.3E-07
111	UCART1	410894.21	3774203.13	410894.21, 3774203.13	2.20E-03	1.18E-07	7.34E-08	6.21E-07	3.00E-07	6.18E-07	1.45E-03	1.67E-07	1.46E-03	1.5E-06	9.6E-07	2.3E-08	3.6E-07	3.9E-07
112	UCART1	410939.21	3774203.13	410939.21, 3774203.13	1.91E-03	1.07E-07	6.56E-08	5.51E-07	2.73E-07	6.20E-07	1.30E-03	1.64E-07	1.30E-03	1.3E-06	8.6E-07	2.0E-08	3.2E-07	3.4E-07
113	UCART1	410984.21	3774203.13	410984.21, 3774203.13	1.66E-03	9.59E-08	5.84E-08	4.77E-07	2.48E-07	6.12E-07	1.15E-03	1.61E-07	1.15E-03	1.1E-06	7.6E-07	1.7E-08	2.9E-07	3.1E-07
114	UCART1	411029.21	3774203.13	411029.21, 3774203.13	1.45E-03	8.57E-08	5.19E-08	4.07E-07	2.25E-07	5.96E-07	1.02E-03	1.56E-07	1.03E-03	9.6E-07	6.8E-07	1.5E-08	2.6E-07	2.7E-07
115	UCART1	411074.21	3774203.13	411074.21, 3774203.13	1.27E-03	7.67E-08	4.62E-08	3.46E-07	2.04E-07	5.73E-07	9.11E-04	1.49E-07	9.13E-04	8.4E-07	6.0E-07	1.3E-08	2.3E-07	2.4E-07
116	UCART1	411119.21	3774203.13	411119.21, 3774203.13	1.12E-03	6.87E-08	4.12E-08	2.94E-07	1.86E-07	5.43E-07	8.13E-04	1.40E-07	8.14E-04	7.4E-07	5.4E-07	1.2E-08	2.0E-07	2.1E-07
117	UCART1	411164.21	3774203.13	411164.21, 3774203.13	9.98E-04	6.17E-08	3.69E-08	2.52E-07	1.70E-07	5.10E-07	7.28E-04	1.31E-07	7.29E-04	6.6E-07	4.8E-07	1.0E-08	1.8E-07	1.9E-07
118	UCART1	411209.21	3774203.13	411209.21, 3774203.13	8.93E-04	5.57E-08	3.32E-08	2.19E-07	1.56E-07	4.76E-07	6.55E-04	1.22E-07	6.56E-04	5.9E-07	4.3E-07	9.3E-09	1.6E-07	1.7E-07
119	UCART1	411254.21	3774203.13	411254.21, 3774203.13	8.02E-04	5.03E-08	3.00E-08	1.91E-07	1.43E-07	4.41E-07	5.91E-04	1.11E-07	5.92E-04	5.3E-07	3.9E-07	8.3E-09	1.5E-07	1.6E-07
120	UCART1	411299.21	3774203.13	411299.21, 3774203.13	7.26E-04	4.58E-08	2.72E-08	1.68E-07	1.31E-07	4.08E-07	5.38E-04	1.04E-07	5.38E-04	4.8E-07	3.6E-07	7.6E-09	1.3E-07	1.4E-07
121	UCART1	410264.21	3774248.13	410264.21, 3774248.13	1.47E-03	6.66E-08	4.27E-08	6.23E-07	2.57E-07	2.85E-07	8.97E-04	1.05E-07	8.99E-04	9.7E-07	5.9E-07	1.5E-08	2.2E-07	2.4E-07
122	UCART1	410309.21	3774248.13	410309.21, 3774248.13	1.76E-03	7.62E-08	4.92E-08	7.67E-07	2.97E-07	3.09E-07	1.04E-03	1.15E-07	1.04E-03	1.2E-06	6.9E-07	1.8E-08	2.6E-07	2.8E-07
123	UCART1	410354.21	3774248.13	410354.21, 3774248.13	2.13E-03	8.77E-08	5.71E-08	8.98E-07	3.46E-07	3.35E-07	1.20E-03	1.22E-07	1.21E-03	1.4E-06	8.0E-07	2.2E-08	3.0E-07	3.2E-07
124	UCART1	410399.21	3774248.13	410399.21, 3774248.13	2.58E-03	1.01E-07	6.65E-08	1.00E-06	4.03E-07	3.64E-07	1.40E-03	1.30E-07	1.41E-03	1.7E-06	9.3E-07	2.7E-08	3.5E-07	3.8E-07
125	UCART1	410444.21	3774248.13	410444.21, 3774248.13	3.14E-03	1.17E-07	7.75E-08	1.07E-06	4.66E-07	3.96E-07	1.64E-03	1.40E-07	1.64E-03	2.1E-06	1.1E-06	3.3E-08	4.1E-07	4.4E-07
126	UCART1	410489.21	3774248.13	410489.21, 3774248.13	3.78E-03	1.35E-07	8.99E-08	1.12E-06	5.31E-07	4.30E-07	1.90E-03	1.51E-07	1.90E-03	2.5E-06	1.3E-06	3.9E-08	4.7E-07	5.1E-07
127	UCART1	410534.21	3774248.13	410534.21, 3774248.13	4.45E-03	1.54E-07	1.03E-07	1.15E-06	5.86E-07	4.66E-07	2.17E-03	1.68E-07	2.17E-03	2.9E-06	1.4E-06	4.6E-08	5.4E-07	5.9E-07
128	UCART1	410579.21	3774248.13	410579.21, 3774248.13	5.04E-03	1.73E-07	1.16E-07	1.16E-06	6.18E-07	5.04E-07	2.42E-03	1.92E-07	2.42E-03	3.3E-06	1.6E-06	5.2E-08	6.0E-07	6.6E-07
129	UCART1	410624.21	3774248.13	410624.21, 3774248.13	5.39E-03	1.88E-07	1.26E-07	1.17E-06	6.18E-07	5.44E-07	2.60E-03	2.20E-07	2.61E-03	3.6E-06	1.7E-06	5.6E-08	6.5E-07	7.1E-07
130	UCART1	410669.21	3774248.13	410669.21, 3774248.13	5.39E-03	1.98E-07	1.31E-07	1.16E-06	5.89E-07	5.84E-07	2.68E-03	2.42E-07	2.69E-03	3.6E-06	1.8E-06	5.6E-08	6.7E-07	7.3E-07
131	UCART1	410714.21	3774248.13	410714.21, 3774248.13	5.05E-03	1.99E-07	1.31E-07	1.13E-06	5.44E-07	6.24E-07	2.64E-03	2.47E-07	2.65E-03	3.3E-06	1.8E-06	5.3E-08	6.6E-07	7.1E-07
132	UCART1	410759.21	3774248.13	410759.21, 3774248.13	4.50E-03	1.93E-07	1.25E-07	1.10E-06	4.93E-07	6.62E-07	2.50E-03	2.38E-07	2.50E-03	3.0E-06	1.7E-06	4.7E-08	6.2E-07	6.7E-07
133	UCART1	410804.21	3774248.13	410804.21, 3774248.13	3.88E-03	1.80E-07	1.15E-07	1.05E-06	4.44E-07	6.95E-07	2.28E-03	2.22E-07	2.28E-03	2.6E-06	1.5E-06	4.0E-08	5.7E-07	6.1E-07
134	UCART1	410849.21	3774248.13	410849.21, 3774248.13	3.30E-03	1.64E-07	1.03E-07	9.75E-07	3.97E-07	7.22E-07	2.03E-03	2.09E-07	2.03E-03	2.2E-06	1.3E-06	3.4E-08	5.1E-07	5.4E-07
135	UCART1	410894.21	3774248.13	410894.21, 3774248.13	2.78E-03	1.46E-07	9.05E-08	8.79E-07	3.56E-07	7.39E-07	1.78E-03	2.04E-07	1.79E-03	1.8E-06	1.2E-06	2.9E-08	4.5E-07	4.7E-07
136	UCART1	410939.21	3774248.13	410939.21, 3774248.13	2.36E-03	1.29E-07	7.91E-08	7.64E-07	3.18E-07	7.45E-07	1.55E-03	2.01E-07	1.56E-03	1.6E-06	1.0E-06	2.4E-08	3.9E-07	4.1E-07
137	UCART1	410984.21	3774248.13	410984.21, 3774248.13	2.00E-03	1.13E-07	6.89E-08	6.40E-07	2.85E-07	7.38E-07	1.35E-03	1.97E-07	1.36E-03	1.3E-06	9.0E-07	2.1E-08	3.4E-07	3.6E-07
138	UCART1	411029.21	3774248.13	411029.21, 3774248.13	1.72E-03	9.96E-08	6.02E-08	5.24E-07	2.56E-07	7.17E-07	1.18E-03	1.89E-07	1.18E-03	1.1E-06	7.8E-07	1.8E-08	3.0E-07	3.1E-07
139	UCART1	411074.21	3774248.13	411074.21, 3774248.13	1.48E-03	8.78E-08	5.28E-08	4.29E-07	2.31E-07	6.84E-07	1.04E-03	1.79E-07	1.04E-03	9.8E-07	6.9E-07	1.5E-08	2.6E-07	2.7E-07
140	UCART1	411119.21	3774248.13	411119.21, 3774248.13	1.29E-03	7.76E-08	4.64E-08	3.54E-07	2.08E-07	6.43E-07	9.12E-04	1.66E-07	9.13E-04	8.5E-07	6.0E-07	1.3E-08	2.3E-07	2.4E-07
141	UCART1	411164.21	3774248.13	411164.21, 3774248.13	1.13E-03	6.89E-08	4.11E-08	2.96E-07	1.88E-07	5.97E-07	8.08E-04	1.54E-07	8.09E-04	7.5E-07	5.4E-07	1.2E-08	2.0E-07	2.1E-07
142	UCART1	411209.21	3774248.13	411209.21, 3774248.13	1.01E-03	6.16E-08	3.67E-08	2.52E-07	1.71E-07	5.50E-07	7.22E-04	1.43E-07	7.23E-04	6.7E-07	4.8E-07	1.0E-08	1.8E-07	1.9E-07
143	UCART1	411254.21	3774248.13	411254.21, 3774248.13	8.96E-04	5.53E-08	3.29E-08	2.17E-07	1.56E-07	5.04E-07	6.47E-04	1.31E-07	6.48E-04	5.9E-07	4.3E-07	9.3E-09	1.6E-07	1.7E-07
144	UCART1	411299.21	3774248.13	411299.21, 3774248.13	8.06E-04	4.99E-08	2.97E-08	1.89E-07	1.42E-07	4.60E-07	5.85E-04	1.21E-07	5.86E-04	5.3E-07	3.9E-07	8.4E-09	1.5E-07	1.5E-07
145	UCART1	410264.21	3774293.13	410264.21, 3774293.13	1.63E-03	7.24E-08	4.65E-08	8.75E-07	2.85E-07	3.03E-07	9.80E-04	1.18E-07	9.81E-04	1.1E-06	6.5E-07	1.7E-08	2.4E-07	2.6E-07
146	UCART1	410309.21	3774293.13	410309.21, 3774293.13	2.00E-03	8.39E-08	5.44E-08	1.17E-06	3.37E-07	3.30E-07	1.15E-03	1.31E-07	1.15E-03	1.3E-06	7.6E-07	2.1E-08	2.9E-07	3.1E-07
147	UCART1	410354.21	3774293.13	410354.21, 3774293.13	2.47E-03	9.81E-08	6.41E-08	1.43E-06	4.03E-07	3.61E-07	1.36E-03	1.45E-07	1.36E-03	1.6E-06	9.0E-07	2.6E-08	3.4E-07	3.7E-07
148	UCART1	410399.21	3774293.13	410399.21, 3774293.13	3.10E-03	1.16E-07	7.64E-08	1.61E-06	4.85E-07	3.95E-07	1.62E-03	1.57E-07	1.63E-03	2.1E-06	1.1E-06	3.2E-08	4.1E-07	4.4E-07
149	UCART1	410444.21	3774293.13	410444.21, 3774293.13	3.93E-03	1.37E-07	9.15E-08	1.72E-06	5.86E-07	4.33E-07	1.95E-03	1.65E-07	1.95E-03	2.6E-06	1.3E-06	4.1E-08	4.9E-07	5.3E-07
150	UCART1	410489.21	3774293.13	410489.21, 3774293.13	4.99E-03	1.62E-07	1.10E-07	1.78E-06	7.01E-07	4.74E-07	2.33E-03	1.79E-07	2.34E-03	3.3E-06	1.5E-06	5.2E-08	5.8E-07	6.4E-07
151	UCART1	410534.21	3774293.13	410534.21, 3774293.13	6.24E-03	1.92E-07	1.30E-07	1.81E-06	8.11E-07	5.19E-07	2.77E-03	1.98E-07	2.77E-03	4.1E-06	1.8E-06	6.5E-08	6.9E-07	7.6E-07
152	UCART1	410579.21	3774293.13	410579.21, 3774293.13	7.50E-03	2.22E-07	1.52E-07	1.83E-06	8.81E-07	5.67E-07	3.21E-03	2.25E-07	3.21E-03	5.0E-06	2.1E-06	7.8E-08	8.0E-07	8.8E-07
153	UCART1	410624.21	3774293.13	410624.21, 3774293.13	8.36E-03	2.50E-07	1.71E-07	1.82E-06	8.77E-07	6.19E-07	3.56E-03	2.60E-07	3.56E-03	5.5E-06	2.4E-06	8.7E-08	8.9E-07	9.8E-07
154	UCART1	410669.21	3774293.13	410669.21, 3774293.13	8.44E-03	2.69E-07	1.82E-07	1.80E-06	8.11E-07	6.72E-07	3.73E-03	2.91E-07	3.74E-03	5.6E-06	2.5E-06	8.8E-08	9.3E-07	1.0E-06
155	UCART1	410714.21	3774293.13	410714.21, 3774293.13	7.74E-03	2.73E-07	1.82E-07	1.77E-06	7.21E-07	7.26E-07	3.68E-03	2.98E-07	3.68E-03	5.1E-06	2.4E-06	8.0E-08	9.2E-07	1.0E-06
156	UCART1	410759.21	3774293.13	410759.21, 3774293.13	6.59E-03	2.63E-07	1.71E-07	1.72E-06	6.33E-07	7.80E-07	3.41E-03	2.87E-07	3.42E-03	4.4E-06	2.3E-06	6.9E-08	8.5E-07	9.2E-07
157	UCART1	410804.21	3774293.13	410804.21, 3774293.13	5.42E-03	2.40E-07	1.54E-07	1.64E-06	5.55E-07	8.29E-07	3.03E-03	2.68E-07	3.03E-03	3.6E-06	2.0E-06	5.6E-08	7.6E-07	8.1E-07
158	UCART1	410849.21	3774293.13	410849.21, 3774293.13	4.40E-03	2.12E-07	1.33E-07	1.53E-06	4.86E-07	8.72E-07	2.61E-03	2.57E-07	2.62E-03	2.9E-06	1.7E-06	4.6E-08	6.5E-07	7.0E-07
159	UCART1	410894.21	3774293.13	410894.21, 3774293.13	3.59E-03	1.84E-07	1.14E-07	1.37E-06	4.27E-07	9.03E-07	2.22E-03	2.52E-07	2.23E-03	2.4E-06	1.5E-06	3.7E-08	5.6E-07	5.9E-07
160	UCART1	410939.21	3774293.13	410939.21, 3774293.13	2.95E-03	1.58E-07	9.65E-08	1.16E-06	3.76E-07	9.17E-07	1.89E-03	2.49E-07	1.89E-03	1.9E-06	1.2E-06	3.1E-08	4.7E-07	5.0E-07
161	UCART1	410984.21	3774293.13	410984.21, 3774293.13	2.45E-03	1.36E-07	8.21E-08	9.21E-07	3.32E-07	9.11E-07	1.60E-03	2.42E-07	1.61E-03	1.6E-06	1.1E-06	2.5E-08	4.0E-07	4.3E-07
162	UCART1	411029.21	3774293.13	411029.21, 3774293.13	2.05E-03	1.17E-07	7.03E-08	7.07E-07	2.94E-07	8.84E-07	1.37E-03	2.30E-07	1.37E-03	1.4E-06	9.1E-07	2.1E-08	3.4E-07	3.6E-07
163	UCART1	411074.21	3774293.13	411074.21, 3774293.13	1.74E-03	1.01E-07	6.06E-08	5.47E-07	2.62E-07	8.37E-07	1.18E-03	2.15E-07	1.18E-03	1.2E-06	7.8E-07	1.8E-08	3.0E-07	3.1E-07
164	UCART1	411119.21	3774293.13	411119.21, 3774293.13	1.50E-03	8.82E-08	5.27E-08	4.35E-07	2.33E-07	7.77E-07	1.03E-03	1.98E-07	1.03E-03	9.9E-07	6.8E-07	1.6E-08	2.6E-07	2.7E-07
165	UCART1	411164.21	3774293.13	411164.21, 3774293.13	1.30E-03	7.74E-08	4.61E-08	3.53E-07	2.09E-07	7.11E-07	9.03E-04	1.83E-07	9.04E-04	8.6E-07	6.0E-07	1.3E-08	2.3E-07	2.4E-07
166	UCART1	411209.21	3774293.13	411209.21, 3774293.13	1.14E-03	6.86E-08	4.09E-08	2.95E-07	1.89E-07	6.44E-07	8.00E-04	1.69E-07	8.02E-04	7.5E-07	5.3E-07	1.2E-08	2.0E-07	2.1E-07
167	UCART1	411254.21	3774293.13	411254.21, 3774293.13	1.01E-03	6.10E-08	3.64E-08	2.49E-07	1.71E-07	5.81E-07	7.13E-04	1.56E-07	7.14E-04	6.7E-07	4.7E-07	1.0E-08	1.8E-07	1.9E-07
168	UCART1	411299.21	3774293.13	411299.21, 3774293.13	8.99E-04	5.48E-08	3.26E-08	2.15E-07	1.55E-07	5.23E-07	6.40E-04	1.44E-07	6.41E-04	5.9E-07	4.2E-07	9.3E-09	1.6E-07	1.7E-07
169	UCART1	410264.21	3774338.13	410264.21, 3774338.13	1.80E-03	7.82E-08	5.03E-08	1.38E-06	3.16E-07	3.22E-07	1.06E-03	1.30E-07	1.07E-03	1.2E-06	7.1E-07	1.9E-08	2.7E-07	2.8E-07
170	UCART1	410309.21	3774338.13	410309.21, 3774338.13	2.26E-03	9.18E-08	5.97E-08	2.25E-06	3.81E-07	3.53E-07	1.27E-03	1.48E-07	1.27E-03	1.5E-06	8.4E-07	2.3E-08	3.2E-07	3.4E-07
171	UCART1	410354.21	3774338.13	410354.21, 3774338.13	2.88E-03	1.09E-07	7.17E-08	2.90E-06	4.68E-07	3.89E-07	1.53E-03	1.66E-07	1.53E-03	1.9E-06	1.0E-06	3.0E-08	3.8E-07	4.1E-07
172	UCART1	410399.21	3774338.13	410399.21, 3774338.13	3.73E-03	1.31E-07	8.75E-08	3.21E-06	5.86E-07	4.29E-07	1.87E-03	1.85E-07	1.87E-03	2.5E-06	1.2E-06	3.9E-08	4.7E-07	5.1E-07
173	UCART1	410444.21	3774338.13	410444.21, 3774338.13	4.95E-03	1.60E-07	1.08E-07	3.36E-06	7.48E-07	4.74E-07	2.32E-03	2.02E-07	2.32E-03	3.3E-06	1.5E-06	5.2E-08	5.8E-07	6.3E-07
174	UCART1	410489.21	3774338.13	410489.21, 3774338.13	6.71E-03	1.97E-07	1.35E-07	3.42E-06	9.63E-07	5.24E-07	2.90E-03	2.19E-07	2.90E-03	4.4E-06	1.9E-06	7.0E-08	7.2E-07	7.9E-07
175	UCART1	410534.21	3774338.13	410534.21, 3774338.13	9.15E-03	2.42E-07	1.68E-07	3.44E-06	1.22E-06	5.80E-07	3.61E-03	2.34E-07	3.61E-03	6.1E-06	2.4E-06	9.5E-08	9.0E-07	1.0E-06
176	UCART1	410579.21	3774338.13	410579.21, 3774338.13	1.21E-02	2.94E-07	2.06E-07	3.42E-06	1.42E-06	6.41E-07	4.41E-03	2.67E-07	4.41E-03	8.0E-06	2.9E-06	1.3E-07	1.1E-06	1.2E-06
177	UCART1	410624.21	3774338.13	410624.21, 3774338.13	1.46E-02	3.47E-07	2.44E-07	3.39E-06	1.39E-06	7.08E-07	5.14E-03	3.17E-07	5.14E-03	9.7E-06	3.4E-06	1.5E-07	1.3E-06	1.4E-06
178	UCART1	410669.21	3774338.13	410669.21, 3774338.13	1.51E-02	3.87E-07	2.69E-07	3.34E-06	1.20E-06	7.79E-07	5.55E-03	3.55E-07	5.56E-03	1.0E-05	3.7E-06	1.6E-07	1.4E-06	1.5E-06
179	UCART1	410714.21	3774338.13	410714.21, 3774338.13	1.31E-02	4.00E-07	2.72E-07	3.27E-06	1.00E-06	8.53E-07	5.47E-03	3.69E-07	5.48E-03	8.7E-06	3.6E-06	1.4E-07	1.4E-06	1.5E-06
180	UCART1	410759.21	3774338.13	410759.21, 3774338.13	1.04E-02	3.79E-07	2.50E-07	3.17E-06	8.39E-07	9.30E-07	4.94E-03	3.55E-07	4.94E-03	6.9E-06	3.3E-06	1.1E-07	1.2E-06	1.3E-06
181	UCART1	410804.21	3774338.13	410804.21, 3774338.13	7.88E-03	3.35E-07	2.15E-07	3.04E-06	7.09E-07	1.01E-06	4.19E-03	3.35E-07	4.20E-03	5.2E-06	2.8E-06	8.2E-08	1.0E-06	1.1E-06
182	UCART1	410849.21	3774338.13	410849.21, 3774338.13	6.02E-03	2.84E-07	1.77E-07	2.85E-06	6.05E-07	1.07E-06	3.44E-03	3.23E-07	3.44E-03	4.0E-06	2.3E-06	6.3E-08	8.6E-07	9.2E-07
183	UCART1	410894.21	3774338.13	410894.21, 3774338.13	4.69E-03	2.36E-07	1.45E-07	2.57E-06	5.20E-07	1.13E-06	2.80E-03	3.19E-07	2.81E-03	3.1E-06	1.9E-06	4.9E-08	7.0E-07	7.5E-07
184	UCART1	410939.21	3774338.13	410939.21, 3774338.13	3.72E-03	1.96E-07	1.19E-07	2.10E-06	4.49E-07	1.16E-06	2.30E-03	3.11E-07	2.30E-03	2.5E-06	1.5E-06	3.9E-08	5.7E-07	6.1E-07
185	UCART1	410984.21	3774338.13	410984.21, 3774338.13	3.01E-03	1.64E-07	9.89E-08	1.50E-06	3.90E-07	1.16E-06	1.92E-03	2.97E-07	1.92E-03	2.0E-06	1.3E-06	3.1E-08	4.8E-07	5.1E-07
186	UCART1	411029.21	3774338.13	411029.21, 3774338.13	2.47E-03	1.38E-07	8.27E-08	1.01E-06	3.40E-07	1.13E-06	1.60E-03	2.79E-07	1.61E-03	1.6E-06	1.1E-06	2.6E-08	4.0E-07	4.3E-07
187	UCART1	411074.21	3774338.13	411074.21, 3774338.13	2.06E-03	1.17E-07	7.02E-08	7.22E-07	2.99E-07	1.06E-06	1.36E-03	2.58E-07	1.37E-03	1.4E-06	9.0E-07	2.1E-08	3.4E-07	3.6E-07
188	UCART1	411119.21	3774338.13	411119.21, 3774338.13	1.74E-03	1.01E-07	6.03E-08	5.44E-07	2.64E-07	9.64E-07	1.17E-03	2.40E-07	1.17E-03	1.2E-06	7.8E-07	1.8E-08	2.9E-07	3.1E-07
189	UCART1	411164.21	3774338.13	411164.21, 3774338.13	1.49E-03	8.76E-08	5.23E-08	4.27E-07	2.34E-07	8.63E-07	1.02E-03	2.21E-07	1.02E-03	9.9E-07	6.8E-07	1.6E-08	2.5E-07	2.7E-07
190	UCART1	411209.21	3774338.13	411209.21, 3774338.13	1.30E-03	7.69E-08	4.58E-08	3.47E-07	2.09E-07	7.65E-07	8.94E-04	2.05E-07	8.96E-04	8.6E-07	5.9E-07	1.3E-08	2.2E-07	2.4E-07
191	UCART1	411254.21	3774338.13	411254.21, 3774338.13	1.14E-03	6.79E-08	4.05E-08	2.88E-07	1.88E-07	6.76E-07	7.91E-04	1.88E-07	7.92E-04	7.5E-07	5.2E-07	1.2E-08	2.0E-07	2.1E-07
192	UCART1	411299.21	3774338.13	411299.21, 3774338.13	1.01E-03	6.05E-08	3.60E-08	2.45E-07	1.70E-07	5.98E-07	7.05E-04	1.72E-07	7.06E-04	6.7E-07	4.7E-07	1.0E-08	1.8E-07	1.9E-07
193	UCART1	410264.21	3774383.13	410264.21, 3774383.13	1.98E-03	8.38E-08	5.40E-08	2.48E-06	3.45E-07	3.42E-07	1.14E-03	1.42E-07	1.15E-03	1.3E-06	7.6E-07	2.1E-08	2.9E-07	3.1E-07
194	UCART1	410309.21	3774383.13	410309.21, 3774383.13	2.71E-03	9.98E-08	6.49E-08	8.87E-06	4.26E-07	3.78E-07	1.38E-03	1.64E-07	1.39E-03	1.8E-06	9.2E-07	2.8E-08	3.5E-07	3.8E-07
195	UCART1	410354.21	3774383.13	410354.21, 3774383.13	3.52E-03	1.21E-07	7.95E-08	1.12E-05	5.39E-07	4.19E-07	1.70E-03	1.88E-07	1.71E-03	2.3E-06	1.1E-06	3.7E-08	4.3E-07	4.6E-07
196	UCART1	410399.21	3774383.13	410399.21, 3774383.13	4.62E-03	1.48E-07	9.93E-08	1.14E-05	7.03E-07	4.66E-07	2.14E-03	2.14E-07	2.15E-03	3.1E-06	1.4E-06	4.8E-08	5.4E-07	5.8E-07
197	UCART1	410444.21	3774383.13	410444.21, 3774383.13	6.34E-03	1.86E-07	1.27E-07	1.12E-05	9.56E-07	5.20E-07	2.74E-03	2.41E-07	2.76E-03	4.2E-06	1.8E-06	6.6E-08	6.9E-07	7.5E-07
198	UCART1	410489.21	3774383.13	410489.21, 3774383.13	9.16E-03	2.38E-07	1.65E-07	1.09E-05	1.37E-06	5.81E-07	3.60E-03	2.65E-07	3.61E-03	6.1E-06	2.4E-06	9.5E-08	9.0E-07	1.0E-06
199	UCART1	410534.21	3774383.13	410534.21, 3774383.13	1.40E-02	3.07E-07	2.19E-07	1.06E-05	2.07E-06	6.50E-07	4.78E-03	2.92E-07	4.79E-03	9.3E-06	3.2E-06	1.5E-07	1.2E-06	1.3E-06
200	UCART1	410579.21	3774383.13	410579.21, 3774383.13	2.24E-02	3.99E-07	2.90E-07	1.03E-05	3.01E-06	7.28E-07	6.31E-03	3.39E-07	6.33E-03	1.5E-05	4.2E-06	2.3E-07	1.6E-06	1.8E-06
201	UCART1	410624.21	3774383.13	410624.21, 3774383.13	3.25E-02	5.07E-07	3.72E-07	9.94E-06	2.76E-06	8.14E-07	7.97E-03	4.12E-07	7.99E-03	2.1E-05	5.3E-06	3.4E-07	2.0E-06	2.3E-06
202	UCART1	410669.21	3774383.13	410669.21, 3774383.13	3.44E-02	6.05E-07	4.39E-07	9.59E-06	1.95E-06	9.10E-07	9.11E-03	4.61E-07	9.12E-03	2.3E-05	6.0E-06	3.6E-07	2.3E-06	2.6E-06
203	UCART1	410714.21	3774383.13	410714.21, 3774383.13	2.67E-02	6.43E-07	4.49E-07	9.24E-06	1.46E-06	1.01E-06	8.98E-03	4.87E-07	9.00E-03	1.8E-05	6.0E-06	2.8E-07	2.2E-06	2.5E-06
204	UCART1	410759.21	3774383.13	410759.21, 3774383.13	1.78E-02	5.95E-07	3.96E-07	8.87E-06	1.15E-06	1.12E-06	7.70E-03	4.45E-07	7.71E-03	1.2E-05	5.1E-06	1.8E-07	1.9E-06	2.1E-06
205	UCART1	410804.21	3774383.13	410804.21, 3774383.13	1.21E-02	4.96E-07	3.17E-07	8.49E-06	9.33E-07	1.24E-06	6.09E-03	4.26E-07	6.10E-03	8.0E-06	4.0E-06	1.3E-07	1.5E-06	1.6E-06
206	UCART1	410849.21	3774383.13	410849.21, 3774383.13	8.53E-03	3.94E-07	2.44E-07	8.02E-06	7.69E-07	1.35E-06	4.66E-03	4.18E-07	4.67E-03	5.6E-06	3.1E-06	8.9E-08	1.2E-06	1.3E-06
207	UCART1	410894.21	3774383.13	410894.21, 3774383.13	6.34E-03	3.11E-07	1.90E-07	7.38E-06	6.44E-07	1.45E-06	3.62E-03	4.05E-07	3.63E-03	4.2E-06	2.4E-06	6.6E-08	9.1E-07	9.7E-07
208	UCART1	410939.21	3774383.13	410939.21, 3774383.13	4.83E-03	2.48E-07	1.49E-07	5.98E-06	5.43E-07	1.53E-06	2.86E-03	3.86E-07	2.87E-03	3.2E-06	1.9E-06	5.0E-08	7.2E-07	7.7E-07
209	UCART1	410984.21	3774383.13	410984.21, 3774383.13	3.76E-03	2.01E-07	1.21E-07	3.09E-06	4.64E-07	1.55E-06	2.33E-03	3.65E-07	2.33E-03	2.5E-06	1.5E-06	3.9E-08	5.8E-07	6.2E-07
210	UCART1	411029.21	3774383.13	411029.21, 3774383.13	2.97E-03	1.65E-07	9.86E-08	1.53E-06	3.97E-07	1.51E-06	1.90E-03	3.40E-07	1.90E-03	2.0E-06	1.3E-06	3.1E-08	4.8E-07	5.1E-07
211	UCART1	411074.21	3774383.13	411074.21, 3774383.13	2.43E-03	1.38E-07	8.23E-08	9.59E-07	3.44E-07	1.39E-06	1.59E-03	3.17E-07	1.59E-03	1.6E-06	1.1E-06	2.5E-08	4.0E-07	4.2E-07
212	UCART1	411119.21	3774383.13	411119.21, 3774383.13	2.03E-03	1.17E-07	6.97E-08	6.77E-07	3.00E-07	1.24E-06	1.35E-03	2.94E-07	1.35E-03	1.3E-06	9.0E-07	2.1E-08	3.4E-07	3.6E-07
213	UCART1	411164.21	3774383.13	411164.21, 3774383.13	1.71E-03	1.00E-07	5.97E-08	5.12E-07	2.63E-07	1.07E-06	1.16E-03	2.72E-07	1.16E-03	1.1E-06	7.7E-07	1.8E-08	2.9E-07	3.1E-07

214	UCART1	411209.21	3774383.13	411209.21, 3774383.13	1.47E-03	8.68E-08	5.17E-08	4.06E-07	2.33E-07	9.24E-07	1.01E-03	2.49E-07	1.01E-03	9.7E-07	6.7E-07	1.5E-08	2.5E-07	2.7E-07
215	UCART1	411254.21	3774383.13	411254.21, 3774383.13	1.28E-03	7.61E-08	4.53E-08	3.32E-07	2.08E-07	7.97E-07	8.84E-04	2.28E-07	8.85E-04	8.5E-07	5.9E-07	1.3E-08	2.2E-07	2.3E-07
216	UCART1	411299.21	3774383.13	411299.21, 3774383.13	1.12E-03	6.73E-08	4.00E-08	2.78E-07	1.86E-07	6.92E-07	7.82E-04	2.08E-07	7.83E-04	7.4E-07	5.2E-07	1.2E-08	2.0E-07	2.1E-07
217	UCART1	410264.21	3774428.13	410264.21, 3774428.13	2.10E-03	8.90E-08	5.72E-08	2.51E-06	3.73E-07	3.62E-07	1.22E-03	1.51E-07	1.22E-03	1.4E-06	8.1E-07	2.2E-08	3.0E-07	3.3E-07
218	UCART1	410309.21	3774428.13	410309.21, 3774428.13	2.91E-03	1.07E-07	6.97E-08	9.28E-06	4.68E-07	4.03E-07	1.49E-03	1.77E-07	1.50E-03	1.9E-06	9.9E-07	3.0E-08	3.7E-07	4.0E-07
219	UCART1	410354.21	3774428.13	410354.21, 3774428.13	3.89E-03	1.32E-07	8.68E-08	1.30E-05	6.07E-07	4.51E-07	1.87E-03	2.07E-07	1.88E-03	2.6E-06	1.2E-06	4.0E-08	4.7E-07	5.1E-07
220	UCART1	410399.21	3774428.13	410399.21, 3774428.13	5.30E-03	1.65E-07	1.11E-07	1.45E-05	8.24E-07	5.06E-07	2.40E-03	2.42E-07	2.42E-03	3.5E-06	1.6E-06	5.5E-08	6.0E-07	6.6E-07
221	UCART1	410444.21	3774428.13	410444.21, 3774428.13	7.62E-03	2.14E-07	1.46E-07	1.56E-05	1.19E-06	5.70E-07	3.20E-03	2.80E-07	3.22E-03	5.0E-06	2.1E-06	7.9E-08	8.0E-07	8.8E-07
222	UCART1	410489.21	3774428.13	410489.21, 3774428.13	1.19E-02	2.84E-07	2.00E-07	1.66E-05	1.91E-06	6.44E-07	4.42E-03	3.22E-07	4.44E-03	7.9E-06	2.9E-06	1.2E-07	1.1E-06	1.2E-06
223	UCART1	410534.21	3774428.13	410534.21, 3774428.13	2.10E-02	3.91E-07	2.84E-07	1.77E-05	3.78E-06	7.30E-07	6.35E-03	3.63E-07	6.37E-03	1.4E-05	4.2E-06	2.2E-07	1.6E-06	1.8E-06
224	UCART1	410579.21	3774428.13	410579.21, 3774428.13	4.79E-02	5.52E-07	4.17E-07	1.87E-05	1.53E-05	8.29E-07	9.38E-03	4.39E-07	9.42E-03	3.2E-05	6.2E-06	5.0E-07	2.4E-06	2.8E-06
225	UCART1	410264.21	3774473.13	410264.21, 3774473.13	2.15E-03	9.32E-08	5.98E-08	1.41E-06	3.95E-07	3.83E-07	1.27E-03	1.53E-07	1.28E-03	1.4E-06	8.4E-07	2.2E-08	3.2E-07	3.4E-07
226	UCART1	410309.21	3774473.13	410309.21, 3774473.13	2.81E-03	1.13E-07	7.35E-08	2.36E-06	5.03E-07	4.29E-07	1.58E-03	1.82E-07	1.58E-03	1.9E-06	1.0E-06	2.9E-08	3.9E-07	4.2E-07
227	UCART1	410354.21	3774473.13	410354.21, 3774473.13	3.80E-03	1.41E-07	9.28E-08	3.24E-06	6.65E-07	4.84E-07	2.00E-03	2.21E-07	2.01E-03	2.5E-06	1.3E-06	4.0E-08	5.0E-07	5.4E-07
228	UCART1	410399.21	3774473.13	410399.21, 3774473.13	5.37E-03	1.81E-07	1.21E-07	3.83E-06	9.29E-07	5.48E-07	2.64E-03	2.63E-07	2.64E-03	3.6E-06	1.7E-06	5.6E-08	6.6E-07	7.1E-07
229	UCART1	410444.21	3774473.13	410444.21, 3774473.13	8.11E-03	2.39E-07	1.64E-07	4.22E-06	1.40E-06	6.25E-07	3.62E-03	3.14E-07	3.63E-03	5.4E-06	2.4E-06	8.4E-08	9.0E-07	9.9E-07
230	UCART1	410489.21	3774473.13	410489.21, 3774473.13	1.35E-02	3.31E-07	2.34E-07	4.50E-06	2.42E-06	7.15E-07	5.26E-03	3.76E-07	5.27E-03	9.0E-06	3.5E-06	1.4E-07	1.3E-06	1.5E-06
231	UCART1	410534.21	3774473.13	410534.21, 3774473.13	2.70E-02	4.84E-07	3.58E-07	4.72E-06	5.48E-06	8.23E-07	8.21E-03	5.33E-07	8.22E-03	1.8E-05	5.4E-06	2.8E-07	2.1E-06	2.3E-06
232	UCART1	410579.21	3774473.13	410579.21, 3774473.13	8.26E-02	7.58E-07	5.96E-07	4.91E-06	2.88E-05	9.49E-07	1.40E-02	5.57E-07	1.41E-02	5.5E-05	9.3E-06	8.6E-07	3.5E-06	4.4E-06
233	UCART1	410264.21	3774518.13	410264.21, 3774518.13	2.17E-03	9.62E-08	6.14E-08	8.99E-07	4.10E-07	4.04E-07	1.31E-03	1.57E-07	1.31E-03	1.4E-06	8.7E-07	2.3E-08	3.3E-07	3.5E-07
234	UCART1	410309.21	3774518.13	410309.21, 3774518.13	2.83E-03	1.18E-07	7.60E-08	1.22E-06	5.26E-07	4.56E-07	1.63E-03	1.87E-07	1.63E-03	1.9E-06	1.1E-06	2.9E-08	4.1E-07	4.4E-07
235	UCART1	410354.21	3774518.13	410354.21, 3774518.13	3.84E-03	1.48E-07	9.66E-08	1.55E-06	7.02E-07	5.18E-07	2.09E-03	2.25E-07	2.09E-03	2.5E-06	1.4E-06	4.0E-08	5.2E-07	5.6E-07
236	UCART1	410399.21	3774518.13	410399.21, 3774518.13	5.47E-03	1.92E-07	1.27E-07	1.84E-06	9.93E-07	5.93E-07	2.79E-03	2.71E-07	2.79E-03	3.6E-06	1.8E-06	5.7E-08	7.0E-07	7.5E-07
237	UCART1	410444.21	3774518.13	410444.21, 3774518.13	8.34E-03	2.59E-07	1.76E-07	2.06E-06	1.53E-06	6.84E-07	3.91E-03	3.34E-07	3.91E-03	5.5E-06	2.6E-06	8.7E-08	9.8E-07	1.1E-06
238	UCART1	410489.21	3774518.13	410489.21, 3774518.13	1.42E-02	3.70E-07	2.59E-07	2.25E-06	2.70E-06	7.94E-07	5.88E-03	4.20E-07	5.88E-03	9.4E-06	3.9E-06	1.5E-07	1.5E-06	1.6E-06
239	UCART1	410534.21	3774518.13	410534.21, 3774518.13	2.87E-02	5.68E-07	4.18E-07	2.37E-06	6.14E-06	9.28E-07	9.78E-03	6.24E-07	9.79E-03	1.9E-05	6.5E-06	3.0E-07	2.4E-06	2.7E-06
240	UCART1	410579.21	3774518.13	410579.21, 3774518.13	8.48E-02	9.71E-07	7.77E-07	2.48E-06	2.87E-05	1.09E-06	1.92E-02	5.69E-07	1.92E-02	5.6E-05	1.3E-05	8.8E-07	4.8E-06	5.7E-06
241	UCART1	410264.21	3774563.13	410264.21, 3774563.13	2.15E-03	9.75E-08	6.18E-08	6.38E-07	4.16E-07	4.24E-07	1.32E-03	1.58E-07	1.32E-03	1.4E-06	8.7E-07	2.2E-08	3.3E-07	3.5E-07
242	UCART1	410309.21	3774563.13	410309.21, 3774563.13	2.79E-03	1.20E-07	7.66E-08	7.98E-07	5.33E-07	4.82E-07	1.64E-03	1.88E-07	1.65E-03	1.8E-06	1.1E-06	2.9E-08	4.1E-07	4.4E-07
243	UCART1	410354.21	3774563.13	410354.21, 3774563.13	3.76E-03	1.51E-07	9.76E-08	9.58E-07	7.11E-07	5.53E-07	2.11E-03	2.27E-07	2.11E-03	2.5E-06	1.4E-06	3.9E-08	5.3E-07	5.7E-07
244	UCART1	410399.21	3774563.13	410399.21, 3774563.13	5.30E-03	1.97E-07	1.29E-07	1.11E-06	1.00E-06	6.40E-07	2.82E-03	2.77E-07	2.83E-03	3.5E-06	1.9E-06	5.5E-08	7.1E-07	7.6E-07
245	UCART1	410444.21	3774563.13	410444.21, 3774563.13	7.98E-03	2.68E-07	1.79E-07	1.24E-06	1.54E-06	7.47E-07	3.97E-03	3.44E-07	3.98E-03	5.3E-06	2.6E-06	8.3E-08	9.9E-07	1.1E-06
246	UCART1	410489.21	3774563.13	410489.21, 3774563.13	1.32E-02	3.87E-07	2.65E-07	1.36E-06	2.68E-06	8.81E-07	6.01E-03	4.30E-07	6.02E-03	8.7E-06	4.0E-06	1.4E-07	1.5E-06	1.6E-06
247	UCART1	410534.21	3774563.13	410534.21, 3774563.13	2.53E-02	6.08E-07	4.33E-07	1.45E-06	5.99E-06	1.05E-06	1.01E-02	5.36E-07	1.01E-02	1.7E-05	6.7E-06	2.6E-07	2.5E-06	2.8E-06
248	UCART1	410579.21	3774563.13	410579.21, 3774563.13	6.69E-02	1.08E-06	8.25E-07	1.52E-06	2.73E-05	1.25E-06	2.05E-02	7.33E-07	2.05E-02	4.4E-05	1.4E-05	7.0E-07	5.1E-06	5.8E-06
249	UCART1	410264.21	3774608.13	410264.21, 3774608.13	2.08E-03	9.71E-08	6.11E-08	4.85E-07	4.12E-07	4.43E-07	1.30E-03	1.59E-07	1.30E-03	1.4E-06	8.6E-07	2.2E-08	3.2E-07	3.5E-07
250	UCART1	410309.21	3774608.13	410309.21, 3774608.13	2.67E-03	1.19E-07	7.53E-08	5.79E-07	5.24E-07	5.08E-07	1.61E-03	1.89E-07	1.62E-03	1.8E-06	1.1E-06	2.8E-08	4.0E-07	4.3E-07
251	UCART1	410354.21	3774608.13	410354.21, 3774608.13	3.54E-03	1.50E-07	9.55E-08	6.69E-07	6.92E-07	5.87E-07	2.06E-03	2.27E-07	2.06E-03	2.3E-06	1.4E-06	3.7E-08	5.1E-07	5.5E-07
252	UCART1	410399.21	3774608.13	410399.21, 3774608.13	4.88E-03	1.95E-07	1.25E-07	7.56E-07	9.61E-07	6.87E-07	2.73E-03	2.77E-07	2.73E-03	3.2E-06	1.8E-06	5.1E-08	6.8E-07	7.3E-07
253	UCART1	410444.21	3774608.13	410444.21, 3774608.13	7.08E-03	2.64E-07	1.72E-07	8.35E-07	1.43E-06	8.13E-07	3.78E-03	3.43E-07	3.79E-03	4.7E-06	2.5E-06	7.4E-08	9.5E-07	1.0E-06
254	UCART1	410489.21	3774608.13	410489.21, 3774608.13	1.10E-02	3.78E-07	2.49E-07	9.08E-07	2.37E-06	9.74E-07	5.59E-03	4.24E-07	5.59E-03	7.3E-06	3.7E-06	1.1E-07	1.4E-06	1.5E-06
255	UCART1	410534.21	3774608.13	410534.21, 3774608.13	1.87E-02	5.85E-07	3.91E-07	9.68E-07	4.78E-06	1.18E-06	8.96E-03	5.20E-07	8.97E-03	1.2E-05	5.9E-06	1.9E-07	2.2E-06	2.4E-06
256	UCART1	410579.21	3774608.13	410579.21, 3774608.13	3.71E-02	1.01E-06	6.89E-07	1.02E-06	1.67E-05	1.45E-06	1.63E-02	6.29E-07	1.63E-02	2.5E-05	1.1E-05	3.9E-07	4.1E-06	4.5E-06
257	UCART1	410624.21	3774608.13	410624.21, 3774608.13	8.10E-02	2.12E-06	1.43E-06	1.06E-06	2.26E-05	1.79E-06	3.49E-02	5.34E-07	3.49E-02	5.4E-05	2.3E-05	8.4E-07	8.7E-06	9.6E-06
258	UCART1	410759.21	3774608.13	410759.21, 3774608.13	6.36E-02	9.51E-06	2.77E-06	1.10E-06	8.22E-06	3.66E-06	4.64E-02	1.71E-06	4.64E-02	4.2E-05	3.1E-05	6.6E-07	1.2E-05	1.2E-05
259	UCART1	410804.21	3774608.13	410804.21, 3774608.13	3.12E-02	3.52E-06	1.49E-06	1.08E-06	4.82E-06	4.83E-06	2.63E-02	2.05E-06	2.63E-02	2.1E-05	1.7E-05	3.2E-07	6.6E-06	6.9E-06
260	UCART1	410354.21	3774653.13	410354.21, 3774653.13	3.22E-03	1.45E-07	9.07E-08	5.02E-07	6.51E-07	6.20E-07	1.95E-03	2.28E-07	1.95E-03	2.1E-06	1.3E-06	3.3E-08	4.9E-07	5.2E-07
261	UCART1	410399.21	3774653.13	410399.21, 3774653.13	4.31E-03	1.86E-07	1.17E-07	5.60E-07	8.79E-07	7.33E-07	2.53E-03	2.75E-07	2.53E-03	2.9E-06	1.7E-06	4.5E-08	6.3E-07	6.8E-07
262	UCART1	410444.21	3774653.13	410444.21, 3774653.13	5.97E-03	2.47E-07	1.56E-07	6.12E-07	1.25E-06	8.79E-07	3.41E-03	3.39E-07	3.41E-03	3.9E-06	2.3E-06	6.2E-08	8.5E-07	9.1E-07
263	UCART1	410489.21	3774653.13	410489.21, 3774653.13	8.61E-03	3.45E-07	2.17E-07	6.59E-07	1.90E-06	1.07E-06	4.80E-03	4.14E-07	4.80E-03	5.7E-06	3.2E-06	9.0E-08	1.2E-06	1.3E-06
264	UCART1	410534.21	3774653.13	410534.21, 3774653.13	1.30E-02	5.09E-07	3.19E-07	7.02E-07	3.19E-06	1.33E-06	7.11E-03	5.01E-07	7.11E-03	8.6E-06	4.7E-06	1.3E-07	1.8E-06	1.9E-06
265	UCART1	410579.21	3774653.13	410579.21, 3774653.13	2.01E-02	8.14E-07	4.94E-07	7.38E-07	5.87E-06	1.67E-06	1.11E-02	5.68E-07	1.11E-02	1.3E-05	7.3E-06	2.1E-07	2.8E-06	3.0E-06
266	UCART1	410624.21	3774653.13	410624.21, 3774653.13	3.03E-02	1.44E-06	7.97E-07	7.64E-07	1.00E-05	2.14E-06	1.75E-02	5.43E-07	1.76E-02	2.0E-05	1.2E-05	3.2E-07	4.4E-06	4.7E-06
267	UCART1	410669.21	3774653.13	410669.21, 3774653.13	4.03E-02	2.87E-06	1.21E-06	7.81E-07	1.64E-05	2.78E-06	2.47E-02	3.90E-07	2.48E-02	2.7E-05	1.6E-05	4.2E-07	6.2E-06	6.6E-06
268	UCART1	410714.21	3774653.13	410714.21, 3774653.13	4.13E-02	4.81E-06	1.40E-06	7.92E-07	2.32E-05	3.66E-06	2.63E-02	6.09E-07	2.63E-02	2.7E-05	1.7E-05	4.3E-07	6.6E-06	7.0E-06
269	UCART1	410759.21	3774653.13	410759.21, 3774653.13	3.07E-02	3.62E-06	1.20E-06	7.90E-07	1.94E-05	4.96E-06	2.19E-02	1.65E-06	2.20E-02	2.0E-05	1.5E-05	3.2E-07	5.5E-06	5.8E-06
270	UCART1	410804.21	3774653.13	410804.21, 3774653.13	2.09E-02	2.23E-06	9.04E-07	7.78E-07	8.26E-06	6.99E-06	1.66E-02	2.16E-06	1.66E-02	1.4E-05	1.1E-05	2.2E-07	4.1E-06	4.4E-06
271	UCART1	410354.21	3774698.13	410354.21, 3774698.13	2.85E-03	1.36E-07	8.38E-08	3.95E-07	5.95E-07	6.48E-07	1.79E-03	2.25E-07	1.79E-03	1.9E-06	1.2E-06	3.0E-08	4.5E-07	4.8E-07
272	UCART1	410399.21	3774698.13	410399.21, 3774698.13	3.68E-03	1.71E-07	1.06E-07	4.32E-07	7.77E-07	7.75E-07	2.27E-03	2.72E-07	2.27E-03	2.4E-06	1.5E-06	3.8E-08	5.7E-07	6.0E-07
273	UCART1	410444.21	3774698.13	410444.21, 3774698.13	4.86E-03	2.22E-07	1.36E-07	4.68E-07	1.05E-06	9.43E-07	2.94E-03	3.35E-07	2.95E-03	3.2E-06	1.9E-06	5.1E-08	7.4E-07	7.9E-07
274	UCART1	410489.21	3774698.13	410489.21, 3774698.13	6.53E-03	2.98E-07	1.81E-07	5.01E-07	1.47E-06	1.17E-06	3.92E-03	4.11E-07	3.92E-03	4.3E-06	2.6E-06	6.8E-08	9.8E-07	1.0E-06
275	UCART1	410534.21	3774698.13	410534.21, 3774698.13	8.89E-03	4.14E-07	2.46E-07	5.30E-07	2.14E-06	1.49E-06	5.34E-03	4.96E-07	5.34E-03	5.9E-06	3.5E-06	9.2E-08	1.3E-06	1.4E-06
276	UCART1	410579.21	3774698.13	410579.21, 3774698.13	1.20E-02	5.98E-07	3.40E-07	5.55E-07	3.14E-06	1.93E-06	7.33E-03	5.54E-07	7.33E-03	7.9E-06	4.9E-06	1.2E-07	1.8E-06	2.0E-06
277	UCART1	410624.21	3774698.13	410624.21, 3774698.13	1.54E-02	8.86E-07	4.63E-07	5.75E-07	4.52E-06	2.57E-06	9.76E-03	5.31E-07	9.77E-03	1.0E-05	6.5E-06	1.6E-07	2.4E-06	2.6E-06
278	UCART1	410669.21	3774698.13	410669.21, 3774698.13	1.81E-02	1.28E-06	5.83E-07	5.87E-07	6.83E-06	3.50E-06	1.18E-02	4.79E-07	1.18E-02	1.2E-05	7.8E-06	1.9E-07	3.0E-06	3.1E-06
279	UCART1	410714.21	3774698.13	410714.21, 3774698.13	1.86E-02	1.56E-06	6.32E-07	5.93E-07	1.34E-05	4.88E-06	1.23E-02	6.07E-07	1.23E-02	1.2E-05	8.1E-06	1.9E-07	3.1E-06	3.3E-06
280	UCART1	410759.21	3774698.13	410759.21, 3774698.13	1.68E-02	1.49E-06	5.95E-07	5.91E-07	2.08E-05	7.07E-06	1.13E-02	1.15E-06	1.14E-02	1.1E-05	7.5E-06	1.7E-07	2.8E-06	3.0E-06
281	UCART1	410804.21	3774698.13	410804.21, 3774698.13	1.39E-02	1.24E-06	5.23E-07	5.83E-07	1.92E-05	1.10E-05	9.90E-03	1.71E-06	9.93E-03	9.2E-06	6.6E-06	1.4E-07	2.5E-06	2.6E-06
282	UCART1	410444.21	3774743.13	410444.21, 3774743.13	3.90E-03	1.94E-07	1.16E-07	3.71E-07	8.71E-07	9.99E-07	2.48E-03	3.21E-07	2.48E-03	2.6E-06	1.6E-06	4.1E-08	6.2E-07	6.6E-07
283	UCART1	410489.21	3774743.13	410489.21, 3774743.13	4.94E-03	2.49E-07	1.47E-07	3.94E-07	1.15E-06	1.27E-06	3.14E-03	3.85E-07	3.14E-03	3.3E-06	2.1E-06	5.1E-08	7.8E-07	8.3E-07
284	UCART1	410534.21	3774743.13	410534.21, 3774743.13	6.24E-03	3.25E-07	1.87E-07	4.15E-07	1.53E-06	1.65E-06	3.98E-03	4.49E-07	3.99E-03	4.1E-06	2.6E-06	6.5E-08	9.9E-07	1.1E-06
285	UCART1	410579.21	3774743.13	410579.21, 3774743.13	7.74E-03	4.30E-07	2.37E-07	4.32E-07	2.04E-06	2.23E-06	5.00E-03	4.88E-07	5.01E-03	5.1E-06	3.3E-06	8.0E-08	1.2E-06	1.3E-06
286	UCART1	410624.21	3774743.13	410624.21, 3774743.13	9.18E-03	5.62E-07	2.93E-07	4.47E-07	2.72E-06	3.12E-06	6.06E-03	4.79E-07	6.07E-03	6.1E-06	4.0E-06	9.5E-08	1.5E-06	1.6E-06
287	UCART1	410669.21	3774743.13	410669.21, 3774743.13	1.02E-02	6.99E-07	3.39E-07	4.56E-07	3.80E-06	4.53E-06	6.85E-03	4.75E-07	6.86E-03	6.7E-06	4.5E-06	1.1E-07	1.7E-06	1.8E-06
288	UCART1	410714.21	3774743.13	410714.21, 3774743.13	1.05E-02	7.83E-07	3.59E-07	4.60E-07	5.94E-06	6.85E-06	7.09E-03	5.56E-07	7.11E-03	6.9E-06	4.7E-06	1.1E-07	1.8E-06	1.9E-06
289	UCART1	410759.21	3774743.13	410759.21, 3774743.13	1.02E-02	7.78E-07	3.50E-07	4.59E-07	1.21E-05	1.11E-05	6.79E-03	8.28E-07	6.82E-03	6.7E-06	4.5E-06	1.1E-07	1.7E-06	1.8E-06
290	UCART1	410804.21	3774743.13	410804.21, 3774743.13	9.51E-03	7.11E-07	3.23E-07	4.53E-07	1.91E-05	2.09E-05	6.23E-03	1.21E-06	6.27E-03	6.3E-06	4.1E-06	9.9E-08	1.6E-06	1.7E-06
291	UCART1	410444.21	3774788.13	410444.21, 3774788.13	3.12E-03	1.66E-07	9.79E-08	3.03E-07	7.20E-07	1.04E-06	2.07E-03	2.96E-07	2.07E-03	2.1E-06	1.4E-06	3.2E-08	5.2E-07	5.5E-07
292	UCART1	410489.21	3774788.13	410489.21, 3774788.13	3.78E-03	2.05E-07	1.19E-07	3.20E-07	9.04E-07	1.34E-06	2.50E-03	3.43E-07	2.50E-03	2.5E-06	1.7E-06	3.9E-08	6.3E-07	6.6E-07
293	UCART1	410534.21	3774788.13	410534.21, 3774788.13	4.53E-03	2.54E-07	1.44E-07	3.34E-07	1.14E-06	1.80E-06	3.01E-03	3.85E-07	3.02E-03	3.0E-06	2.0E-06	4.7E-08	7.5E-07	8.0E-07
294	UCART1	410579.21	3774788.13	410579.21, 3774788.13	5.32E-03	3.13E-07	1.72E-07	3.47E-07	1.44E-06	2.55E-06	3.57E-03	4.05E-07	3.58E-03	3.5E-06	2.4E-06	5.5E-08	8.9E-07	9.5E-07
295	UCART1	410624.21	3774788.13	410624.21, 3774788.13	6.04E-03	3.79E-07	1.99E-07	3.57E-07	1.83E-06	3.83E-06	4.10E-03	4.05E-07	4.10E-03	4.0E-06	2.7E-06	6.3E-08	1.0E-06	1.1E-06
296	UCART1	410669.21	3774788.13	410669.21, 3774788.13	6.55E-03	4.38E-07	2.21E-07	3.64E-07	2.37E-06	6.14E-06	4.47E-03	4.18E-07	4.48E-03	4.3E-06	3.0E-06	6.8E-08	1.1E-06	1.2E-06
297	UCART1	410714.21	3774788.13	410714.21, 3774788.13	6.77E-03	4.72E-07	2.31E-07	3.67E-07	3.24E-06	1.06E-05	4.59E-03	4.75E-07	4.61E-03	4.5E-06	3.0E-06	7.0E-08	1.1E-06	1.2E-06
298	UCART1	410759.21	3774788.13	410759.21, 3774788.13	6.79E-03	4.74E-07	2.27E-07	3.66E-07	4.88E-06	2.11E-05	4.47E-03	6.21E-07	4.49E-03	4.5E-06	3.0E-06	7.1E-08	1.1E-06	1.2E-06
299	UCART1	410804.21	3774788.13	410804.21, 3774788.13	7.31E-03	4.46E-07	2.14E-07	3.61E-07	8.60E-06	6.57E-05	4.18E-03	8.39E-07	4.26E-03	4.8E-06	2.8E-06	7.6E-08	1.1E-06	1.1E-06
300	UCART1	410489.21	3774833.13	410489.21, 3774833.13	2.93E-03	1.68E-07	9.63E-08	2.64E-07	7.24E-07	1.39E-06	2.01E-03	2.98E-07	2.01E-03	1.9E-06	1.3E-06	3.0E-08	5.0E-07	5.3E-07
301	UCART1	410534.21	3774833.13	410534.21, 3774833.13	3.39E-03	2.00E-07	1.12E-07	2.75E-07	8.77E-07	1.91E-06	2.33E-03	3.21E-07	2.33E-03	2.2E-06	1.5E-06	3.5E-08	5.8E-07	6.2E-07
302	UCART1	410579.21	3774833.13	410579.21, 3774833.13	3.85E-03	2.35E-07	1.29E-07	2.84E-07	1.06E-06	2.84E-06	2.65E-03	3.32E-07	2.66E-03	2.5E-06	1.8E-06	4.0E-08	6.6E-07	7.0E-07
303	UCART1	410624.21	3774833.13	410624.21, 3774833.13	4.26E-03	2.70E-07	1.44E-07	2.91E-07	1.29E-06	4.71E-06	2.94E-03	3.39E-07	2.95E-03	2.8E-06	2.0E-06	4.4E-08	7.4E-07	7.8E-07
304	UCART1	410669.21	3774833.13	410669.21, 3774833.13	4.60E-03	3.00E-07	1.55E-07	2.97E-07	1.58E-06	9.00E-06	3.14E-03	3.57E-07	3.15E-03	3.0E-06	2.1E-06	4.8E-08	7.9E-07	8.3E-07
305	UCART1	410714.21	3774833.13	410714.21, 3774833.13	4.88E-03	3.16E-07	1.60E-07	2.98E-07	1.95E-06	2.03E-05	3.20E-03	3.99E-07	3.23E-03	3.2E-06	2.1E-06	5.1E-08	8.0E-07	8.6E-07
306	UCART1	410759.21	3774833.13	410759.21, 3774833.13	5.76E-03	3.16E-07	1.58E-07	2.97E-07	2.43E-06	7.00E-05	3.13E-03	4.74E-07	3.20E-03	3.8E-06	2.1E-06	6.0E-08	8.0E-07	8.6E-07
307	UCART1	410489.21	3774878.13	410489.21, 3774878.13	2.33E-03	1.39E-07	7.90E-08	2.23E-07	5.88E-07	1.38E-06	1.64E-03	2.52E-07	1.64E-03	1.5E-06	1.1E-06	2.4E-08	4.1E-07	4.3E-07
308	UCART1	410534.21	3774878.13	410534.21, 3774878.13	2.61E-03	1.59E-07	8.90E-08	2.31E-07	6.90E-07	1.93E-06	1.84E-03	2.64E-07	1.84E-03	1.7E-06	1.2E-06	2.7E-08	4.6E-07	4.9E-07
309	UCART1	410579.21	3774878.13	410579.21, 3774878.13	2.90E-03	1.81E-07	9.92E-08	2.38E-07	8.08E-07	2.98E-06	2.04E-03	2.72E-07	2.04E-03	1.9E-06	1.3E-06	3.0E-08	5.1E-07	5.4E-07
310	UCART1	410624.21	3774878.13	410624.21, 3774878.13	3.17E-03	2.01E-07	1.08E-07	2.43E-07	9.44E-07	5.50E-06	2.21E-03	2.82E-07	2.21E-03	2.1E-06	1.5E-06	3.3E-08	5.5E-07	5.9E-07
311	UCART1	410669.21	3774878.13	410669.21, 3774878.13	3.50E-03	2.18E-07	1.15E-07	2.46E-07	1.10E-06	1.48E-05	2.33E-03	2.99E-07	2.34E-03	2.3E-06	1.6E-06	3.6E-08	5.8E-07	6.2E-07
312	UCART1	410714.21	3774878.13	410714.21, 3774878.13	4.20E-03	2.25E-07	1.17E-07	2.46E-07	1.26E-06	5.00E-05	2.35E-03	3.22E-07	2.40E-03	2.8E-06	1.6E-06	4.4E-08	6.0E-07	6.4E-07

Risk Summary

Residential Exposure
Construction

Location	X	Y	X, Y	Rec #	Concentration	Construction Risk	Risk Per Million	Threhold	
Residences Southeast	410759.21	3774293.13	410759.21, 3774293.13	156	0.006592212	9.01711E-07	0.901710684	1.00E-05	LTS

Operations

Location	X	Y	X, Y	Rec #	Concentration	Operational Risk	Risk Per Million	Threhold	
Residences Southeast	410759.21	3774293.13	410759.21, 3774293.13	156	0.003416431	2.06469E-06	2.064689675	1.00E-05	LTS

Worker Exposure
Construction

Location	X	Y	X, Y	Rec #	Concentration	Construction Risk	Risk Per Million	Threhold	
Worker West	410579.21	3774473.13	410579.21, 3774473.13	232	0.082627257	8.59097E-07	0.859097094	1.00E-05	LTS

Operations

Location	X	Y	X, Y	Rec #	Concentration	Operational Risk	Risk Per Million	Threhold	
Worker West	410579.21	3774473.13	410579.21, 3774473.13	232	0.01407917	3.51324E-06	3.513235188	1.00E-05	LTS

Combined Construction and Operations
Combined

Location	X	Y	X, Y	Rec #	Combined Risk	Risk Per Million	Threhold	
Residences Southeast	410759.21	3774293.13	410759.21, 3774293.13	156	3.03855E-06	3.038551006	1.00E-05	LTS
Worker West	410579.21	3774473.13	410579.21, 3774473.13	232	4.37233E-06	4.372332282	1.00E-05	LTS

Table XX: Carcinogenic Risk Assessment

Exposure Scenario	Cancer Risk (Risk per Million)[1, 2]	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
Construction			
Residential	0.90	10	**No**
Worker	0.86	10	**No**
Operations			
Residential	2.06	10	**No**
Worker	3.51	10	**No**
Combined Construction + Operations			
Unmitigated Residential	3.04	10	**No**
Unmitigated Worker	4.37	10	**No**

Table XX: Chronic Hazard Assessment

Exposure Scenario	Annual Concentration ($\mu g/m^3$)[1, 2]	Chronic Hazard [1]
Construction		
Residential	0.0066	0.0013
Worker	0.0826	0.0165
Operations		
Residential	0.0034	0.0007
Worker	0.0141	0.0028

[1] Refer to Appendix A. According to OEHHA, the REL for DPM is 5 and the target organ is the respiratory system.

[2] The reported pollutant concentration is at the closest receptor (maximally exposed individual receptor).

REL (DPM): 5

Hazard Index = Ci/RELi

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**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 1/8/2024
** File: C:\Lakes\AERMOD View\Irwindale_Cons\Irwindale_Cons.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Irwindale_Cons\Irwindale_Cons.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 9818605 Los_Angeles
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Irwindale_Cons.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Offsite Live Oak
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 410294.510, 3774405.509, 123.03, 3.40, 6.51
** 410959.390, 3774421.298, 128.04, 3.40, 6.51
** ------------------------------------------------------------------------
   LOCATION L0000001     VOLUME   410301.508 3774405.675 123.34
```

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   LOCATION L0000002     VOLUME   410315.504 3774406.008 123.58
   LOCATION L0000003     VOLUME   410329.501 3774406.340 123.74
   LOCATION L0000004     VOLUME   410343.497 3774406.672 123.89
   LOCATION L0000005     VOLUME   410357.493 3774407.005 124.07
   LOCATION L0000006     VOLUME   410371.489 3774407.337 124.23
   LOCATION L0000007     VOLUME   410385.485 3774407.669 124.37
   LOCATION L0000008     VOLUME   410399.481 3774408.002 124.46
   LOCATION L0000009     VOLUME   410413.477 3774408.334 124.49
   LOCATION L0000010     VOLUME   410427.473 3774408.667 124.55
   LOCATION L0000011     VOLUME   410441.469 3774408.999 124.64
   LOCATION L0000012     VOLUME   410455.465 3774409.331 124.66
   LOCATION L0000013     VOLUME   410469.461 3774409.664 124.67
   LOCATION L0000014     VOLUME   410483.457 3774409.996 124.67
   LOCATION L0000015     VOLUME   410497.453 3774410.328 124.68
   LOCATION L0000016     VOLUME   410511.449 3774410.661 124.73
   LOCATION L0000017     VOLUME   410525.445 3774410.993 124.79
   LOCATION L0000018     VOLUME   410539.441 3774411.325 124.87
   LOCATION L0000019     VOLUME   410553.437 3774411.658 124.96
   LOCATION L0000020     VOLUME   410567.433 3774411.990 125.06
   LOCATION L0000021     VOLUME   410581.430 3774412.323 125.14
   LOCATION L0000022     VOLUME   410595.426 3774412.655 125.20
   LOCATION L0000023     VOLUME   410609.422 3774412.987 125.33
   LOCATION L0000024     VOLUME   410623.418 3774413.320 125.47
   LOCATION L0000025     VOLUME   410637.414 3774413.652 125.56
   LOCATION L0000026     VOLUME   410651.410 3774413.984 125.64
   LOCATION L0000027     VOLUME   410665.406 3774414.317 125.69
   LOCATION L0000028     VOLUME   410679.402 3774414.649 125.77
   LOCATION L0000029     VOLUME   410693.398 3774414.981 125.93
   LOCATION L0000030     VOLUME   410707.394 3774415.314 126.08
   LOCATION L0000031     VOLUME   410721.390 3774415.646 126.22
   LOCATION L0000032     VOLUME   410735.386 3774415.978 126.29
   LOCATION L0000033     VOLUME   410749.382 3774416.311 126.33
   LOCATION L0000034     VOLUME   410763.378 3774416.643 126.39
   LOCATION L0000035     VOLUME   410777.374 3774416.976 126.47
   LOCATION L0000036     VOLUME   410791.370 3774417.308 126.61
   LOCATION L0000037     VOLUME   410805.366 3774417.640 126.75
   LOCATION L0000038     VOLUME   410819.362 3774417.973 126.88
   LOCATION L0000039     VOLUME   410833.358 3774418.305 126.99
   LOCATION L0000040     VOLUME   410847.355 3774418.637 127.08
   LOCATION L0000041     VOLUME   410861.351 3774418.970 127.19
   LOCATION L0000042     VOLUME   410875.347 3774419.302 127.31
   LOCATION L0000043     VOLUME   410889.343 3774419.634 127.42
   LOCATION L0000044     VOLUME   410903.339 3774419.967 127.54
   LOCATION L0000045     VOLUME   410917.335 3774420.299 127.67
   LOCATION L0000046     VOLUME   410931.331 3774420.632 127.80
   LOCATION L0000047     VOLUME   410945.327 3774420.964 127.94
   LOCATION L0000048     VOLUME   410959.323 3774421.296 128.06
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
```

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** LINE VOLUME Source ID = SLINE2
** DESCRSRC Offsite Stewart Rivergrade
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 4
** 410592.871, 3774430.406, 125.35, 3.40, 6.51
** 410597.941, 3774598.987, 126.56, 3.40, 6.51
** 410686.668, 3774619.902, 127.25, 3.40, 6.51
** 410837.503, 3774767.568, 129.18, 3.40, 6.51
** ----------------------------------------------------------------
   LOCATION L0000049     VOLUME   410593.081 3774437.403 125.48
   LOCATION L0000050     VOLUME   410593.502 3774451.397 125.69
   LOCATION L0000051     VOLUME   410593.923 3774465.391 125.91
   LOCATION L0000052     VOLUME   410594.344 3774479.384 126.15
   LOCATION L0000053     VOLUME   410594.765 3774493.378 126.38
   LOCATION L0000054     VOLUME   410595.186 3774507.372 126.61
   LOCATION L0000055     VOLUME   410595.606 3774521.365 126.73
   LOCATION L0000056     VOLUME   410596.027 3774535.359 126.72
   LOCATION L0000057     VOLUME   410596.448 3774549.353 126.69
   LOCATION L0000058     VOLUME   410596.869 3774563.346 126.58
   LOCATION L0000059     VOLUME   410597.290 3774577.340 126.47
   LOCATION L0000060     VOLUME   410597.711 3774591.334 126.51
   LOCATION L0000061     VOLUME   410604.114 3774600.443 126.59
   LOCATION L0000062     VOLUME   410617.741 3774603.655 126.77
   LOCATION L0000063     VOLUME   410631.368 3774606.867 126.82
   LOCATION L0000064     VOLUME   410644.994 3774610.079 126.85
   LOCATION L0000065     VOLUME   410658.621 3774613.290 126.95
   LOCATION L0000066     VOLUME   410672.247 3774616.502 127.11
   LOCATION L0000067     VOLUME   410685.874 3774619.714 127.34
   LOCATION L0000068     VOLUME   410696.089 3774629.125 127.31
   LOCATION L0000069     VOLUME   410706.093 3774638.919 127.08
   LOCATION L0000070     VOLUME   410716.097 3774648.712 127.23
   LOCATION L0000071     VOLUME   410726.101 3774658.506 127.35
   LOCATION L0000072     VOLUME   410736.105 3774668.300 127.47
   LOCATION L0000073     VOLUME   410746.109 3774678.094 127.70
   LOCATION L0000074     VOLUME   410756.113 3774687.888 128.05
   LOCATION L0000075     VOLUME   410766.117 3774697.682 128.18
   LOCATION L0000076     VOLUME   410776.121 3774707.476 128.05
   LOCATION L0000077     VOLUME   410786.125 3774717.269 128.22
   LOCATION L0000078     VOLUME   410796.129 3774727.063 128.41
   LOCATION L0000079     VOLUME   410806.133 3774736.857 128.62
   LOCATION L0000080     VOLUME   410816.137 3774746.651 128.81
   LOCATION L0000081     VOLUME   410826.141 3774756.445 129.04
   LOCATION L0000082     VOLUME   410836.145 3774766.239 129.45
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Offsite Arrow
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 410690.788, 3774919.170, 129.78, 3.40, 6.51
** 411057.448, 3774570.721, 130.01, 3.40, 6.51
** ----------------------------------------------------------------
   LOCATION L0000083     VOLUME   410695.862 3774914.348 129.99
   LOCATION L0000084     VOLUME   410706.010 3774904.704 129.78
   LOCATION L0000085     VOLUME   410716.158 3774895.059 130.15
   LOCATION L0000086     VOLUME   410726.307 3774885.415 129.91
   LOCATION L0000087     VOLUME   410736.455 3774875.771 130.06
   LOCATION L0000088     VOLUME   410746.603 3774866.127 130.22
   LOCATION L0000089     VOLUME   410756.752 3774856.482 129.96
   LOCATION L0000090     VOLUME   410766.900 3774846.838 129.34
   LOCATION L0000091     VOLUME   410777.048 3774837.194 129.38
   LOCATION L0000092     VOLUME   410787.197 3774827.550 129.83
   LOCATION L0000093     VOLUME   410797.345 3774817.905 129.50
   LOCATION L0000094     VOLUME   410807.493 3774808.261 129.63
   LOCATION L0000095     VOLUME   410817.641 3774798.617 130.00
   LOCATION L0000096     VOLUME   410827.790 3774788.973 129.51
   LOCATION L0000097     VOLUME   410837.938 3774779.328 130.00
   LOCATION L0000098     VOLUME   410848.086 3774769.684 130.20
   LOCATION L0000099     VOLUME   410858.235 3774760.040 129.74
   LOCATION L0000100     VOLUME   410868.383 3774750.395 130.01
   LOCATION L0000101     VOLUME   410878.531 3774740.751 130.06
   LOCATION L0000102     VOLUME   410888.680 3774731.107 129.80
   LOCATION L0000103     VOLUME   410898.828 3774721.463 129.60
   LOCATION L0000104     VOLUME   410908.976 3774711.818 129.77
   LOCATION L0000105     VOLUME   410919.125 3774702.174 130.05
   LOCATION L0000106     VOLUME   410929.273 3774692.530 129.70
   LOCATION L0000107     VOLUME   410939.421 3774682.886 130.26
   LOCATION L0000108     VOLUME   410949.570 3774673.241 130.37
   LOCATION L0000109     VOLUME   410959.718 3774663.597 129.89
   LOCATION L0000110     VOLUME   410969.866 3774653.953 130.29
   LOCATION L0000111     VOLUME   410980.015 3774644.309 130.27
   LOCATION L0000112     VOLUME   410990.163 3774634.664 129.87
   LOCATION L0000113     VOLUME   411000.311 3774625.020 129.87
   LOCATION L0000114     VOLUME   411010.459 3774615.376 129.95
   LOCATION L0000115     VOLUME   411020.608 3774605.732 129.96
   LOCATION L0000116     VOLUME   411030.756 3774596.087 129.88
   LOCATION L0000117     VOLUME   411040.904 3774586.443 130.29
   LOCATION L0000118     VOLUME   411051.053 3774576.799 130.28
** End of LINE VOLUME Source ID = SLINE3
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** ------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Onsite
** PREFIX
** Length of Side = 16.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 12
** 410611.116, 3774565.660, 126.91, 3.40, 7.44
** 410707.645, 3774599.523, 127.74, 3.40, 7.44
** 410722.436, 3774584.733, 127.39, 3.40, 7.44
** 410611.506, 3774538.025, 126.53, 3.40, 7.44
** 410612.673, 3774520.121, 126.49, 3.40, 7.44
** 410743.065, 3774566.828, 127.43, 3.40, 7.44
** 410731.388, 3774539.193, 127.12, 3.40, 7.44
** 410610.727, 3774487.036, 126.28, 3.40, 7.44
** 410610.727, 3774464.072, 126.00, 3.40, 7.44
** 410699.471, 3774485.479, 126.55, 3.40, 7.44
** 410697.914, 3774448.114, 126.03, 3.40, 7.44
** 410612.673, 3774442.664, 125.89, 3.40, 7.44
** ------------------------------------------------------------------
   LOCATION L0000119     VOLUME   410618.665 3774568.309 126.91
   LOCATION L0000120     VOLUME   410633.763 3774573.605 127.03
   LOCATION L0000121     VOLUME   410648.861 3774578.902 126.88
   LOCATION L0000122     VOLUME   410663.959 3774584.198 126.89
   LOCATION L0000123     VOLUME   410679.057 3774589.494 126.98
   LOCATION L0000124     VOLUME   410694.155 3774594.791 127.38
   LOCATION L0000125     VOLUME   410708.850 3774598.318 127.66
   LOCATION L0000126     VOLUME   410720.164 3774587.005 127.47
   LOCATION L0000127     VOLUME   410710.651 3774579.771 127.26
   LOCATION L0000128     VOLUME   410695.905 3774573.562 126.96
   LOCATION L0000129     VOLUME   410681.158 3774567.353 126.79
   LOCATION L0000130     VOLUME   410666.412 3774561.144 126.62
   LOCATION L0000131     VOLUME   410651.666 3774554.935 126.48
   LOCATION L0000132     VOLUME   410636.920 3774548.726 126.44
   LOCATION L0000133     VOLUME   410622.174 3774542.517 126.45
   LOCATION L0000134     VOLUME   410611.794 3774533.610 126.57
   LOCATION L0000135     VOLUME   410615.010 3774520.958 126.50
   LOCATION L0000136     VOLUME   410630.073 3774526.353 126.39
   LOCATION L0000137     VOLUME   410645.136 3774531.749 126.39
   LOCATION L0000138     VOLUME   410660.199 3774537.145 126.35
   LOCATION L0000139     VOLUME   410675.261 3774542.540 126.33
   LOCATION L0000140     VOLUME   410690.324 3774547.936 126.54
   LOCATION L0000141     VOLUME   410705.387 3774553.332 126.80
   LOCATION L0000142     VOLUME   410720.450 3774558.727 127.13
   LOCATION L0000143     VOLUME   410735.512 3774564.123 127.50
   LOCATION L0000144     VOLUME   410739.960 3774559.479 127.56
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   LOCATION L0000145     VOLUME   410733.732 3774544.741 127.26
   LOCATION L0000146     VOLUME   410722.230 3774535.234 127.02
   LOCATION L0000147     VOLUME   410707.543 3774528.886 126.66
   LOCATION L0000148     VOLUME   410692.857 3774522.537 126.43
   LOCATION L0000149     VOLUME   410678.170 3774516.189 126.44
   LOCATION L0000150     VOLUME   410663.483 3774509.841 126.48
   LOCATION L0000151     VOLUME   410648.797 3774503.492 126.49
   LOCATION L0000152     VOLUME   410634.110 3774497.144 126.37
   LOCATION L0000153     VOLUME   410619.423 3774490.795 126.30
   LOCATION L0000154     VOLUME   410610.727 3774480.510 126.24
   LOCATION L0000155     VOLUME   410610.727 3774464.510 126.06
   LOCATION L0000156     VOLUME   410625.855 3774467.721 126.18
   LOCATION L0000157     VOLUME   410641.409 3774471.473 126.31
   LOCATION L0000158     VOLUME   410656.963 3774475.225 126.42
   LOCATION L0000159     VOLUME   410672.517 3774478.977 126.48
   LOCATION L0000160     VOLUME   410688.070 3774482.729 126.54
   LOCATION L0000161     VOLUME   410699.293 3774481.211 126.54
   LOCATION L0000162     VOLUME   410698.627 3774465.225 126.42
   LOCATION L0000163     VOLUME   410697.961 3774449.239 126.30
   LOCATION L0000164     VOLUME   410683.071 3774447.165 126.17
   LOCATION L0000165     VOLUME   410667.103 3774446.144 126.08
   LOCATION L0000166     VOLUME   410651.136 3774445.123 126.02
   LOCATION L0000167     VOLUME   410635.169 3774444.102 125.93
   LOCATION L0000168     VOLUME   410619.201 3774443.082 125.82
** End of LINE VOLUME Source ID = SLINE4
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000002     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000003     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000004     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000005     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000006     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000007     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000008     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000009     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000010     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000011     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000012     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000013     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000014     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000015     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000016     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000017     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000018     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000019     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000020     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000021     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000022     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000023     0.0208333333      3.40      6.51      3.16
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   SRCPARAM L0000024     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000025     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000026     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000027     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000028     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000029     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000030     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000031     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000032     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000033     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000034     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000035     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000036     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000037     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000038     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000039     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000040     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000041     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000042     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000043     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000044     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000045     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000046     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000047     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000048     0.0208333333      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000049     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000050     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000051     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000052     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000053     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000054     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000055     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000056     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000057     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000058     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000059     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000060     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000061     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000062     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000063     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000064     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000065     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000066     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000067     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000068     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000069     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000070     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000071     0.0294117647      3.40      6.51      3.16
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   SRCPARAM L0000072     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000073     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000074     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000075     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000076     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000077     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000078     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000079     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000080     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000081     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000082     0.0294117647      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000083     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000084     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000085     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000086     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000087     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000088     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000089     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000090     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000091     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000092     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000093     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000094     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000095     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000096     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000097     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000098     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000099     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000100     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000101     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000102     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000103     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000104     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000105     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000106     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000107     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000108     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000109     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000110     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000111     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000112     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000113     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000114     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000115     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000116     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000117     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000118     0.0277777778      3.40      6.51      3.16
** ------------------------------------------------------------------
```

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** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000119          0.02      3.40      7.44      3.16
   SRCPARAM L0000120          0.02      3.40      7.44      3.16
   SRCPARAM L0000121          0.02      3.40      7.44      3.16
   SRCPARAM L0000122          0.02      3.40      7.44      3.16
   SRCPARAM L0000123          0.02      3.40      7.44      3.16
   SRCPARAM L0000124          0.02      3.40      7.44      3.16
   SRCPARAM L0000125          0.02      3.40      7.44      3.16
   SRCPARAM L0000126          0.02      3.40      7.44      3.16
   SRCPARAM L0000127          0.02      3.40      7.44      3.16
   SRCPARAM L0000128          0.02      3.40      7.44      3.16
   SRCPARAM L0000129          0.02      3.40      7.44      3.16
   SRCPARAM L0000130          0.02      3.40      7.44      3.16
   SRCPARAM L0000131          0.02      3.40      7.44      3.16
   SRCPARAM L0000132          0.02      3.40      7.44      3.16
   SRCPARAM L0000133          0.02      3.40      7.44      3.16
   SRCPARAM L0000134          0.02      3.40      7.44      3.16
   SRCPARAM L0000135          0.02      3.40      7.44      3.16
   SRCPARAM L0000136          0.02      3.40      7.44      3.16
   SRCPARAM L0000137          0.02      3.40      7.44      3.16
   SRCPARAM L0000138          0.02      3.40      7.44      3.16
   SRCPARAM L0000139          0.02      3.40      7.44      3.16
   SRCPARAM L0000140          0.02      3.40      7.44      3.16
   SRCPARAM L0000141          0.02      3.40      7.44      3.16
   SRCPARAM L0000142          0.02      3.40      7.44      3.16
   SRCPARAM L0000143          0.02      3.40      7.44      3.16
   SRCPARAM L0000144          0.02      3.40      7.44      3.16
   SRCPARAM L0000145          0.02      3.40      7.44      3.16
   SRCPARAM L0000146          0.02      3.40      7.44      3.16
   SRCPARAM L0000147          0.02      3.40      7.44      3.16
   SRCPARAM L0000148          0.02      3.40      7.44      3.16
   SRCPARAM L0000149          0.02      3.40      7.44      3.16
   SRCPARAM L0000150          0.02      3.40      7.44      3.16
   SRCPARAM L0000151          0.02      3.40      7.44      3.16
   SRCPARAM L0000152          0.02      3.40      7.44      3.16
   SRCPARAM L0000153          0.02      3.40      7.44      3.16
   SRCPARAM L0000154          0.02      3.40      7.44      3.16
   SRCPARAM L0000155          0.02      3.40      7.44      3.16
   SRCPARAM L0000156          0.02      3.40      7.44      3.16
   SRCPARAM L0000157          0.02      3.40      7.44      3.16
   SRCPARAM L0000158          0.02      3.40      7.44      3.16
   SRCPARAM L0000159          0.02      3.40      7.44      3.16
   SRCPARAM L0000160          0.02      3.40      7.44      3.16
   SRCPARAM L0000161          0.02      3.40      7.44      3.16
   SRCPARAM L0000162          0.02      3.40      7.44      3.16
   SRCPARAM L0000163          0.02      3.40      7.44      3.16
   SRCPARAM L0000164          0.02      3.40      7.44      3.16
   SRCPARAM L0000165          0.02      3.40      7.44      3.16
   SRCPARAM L0000166          0.02      3.40      7.44      3.16
   SRCPARAM L0000167          0.02      3.40      7.44      3.16
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   SRCPARAM L0000168          0.02      3.40      7.44      3.16
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Cons"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000009     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000010     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000011     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000017     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000019     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000020     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000021     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000022     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000023     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000024     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000024     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000025     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000026     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000027     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000028     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000029     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000030     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000031     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000032     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000033     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000034     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000035     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000036     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000037     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000038     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000039     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000040     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000041     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000042     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000043     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000043     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000044     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000045     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000045     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000046     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000046     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000047     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000047     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000048     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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```
EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000052     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000064     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000065     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000066     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000067     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000068     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000069     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000083     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000083     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000084     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000084     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000085     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000085     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000086     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000086     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000087     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000088     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000088     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000089     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000089     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000090     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000090     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000091     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000092     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000092     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000095     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000099     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000103     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000105     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000108     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000108     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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** Saturday:
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   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000098     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT L0000119     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000121     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000122     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000126     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000129     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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SRCGROUP Arrow    L0000095 L0000096 L0000097 L0000098 L0000099 L0000100
SRCGROUP Arrow    L0000101 L0000102 L0000103 L0000104 L0000105 L0000106
SRCGROUP Arrow    L0000107 L0000108 L0000109 L0000110 L0000111 L0000112
SRCGROUP Arrow    L0000113 L0000114 L0000115 L0000116 L0000117 L0000118
SRCGROUP LiveOak  L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
SRCGROUP LiveOak  L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
SRCGROUP LiveOak  L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
SRCGROUP LiveOak  L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
SRCGROUP LiveOak  L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
SRCGROUP LiveOak  L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
SRCGROUP LiveOak  L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
SRCGROUP LiveOak  L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
SRCGROUP StewartR L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
SRCGROUP StewartR L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
```

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   SRCGROUP StewartR L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
   SRCGROUP StewartR L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
   SRCGROUP StewartR L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
   SRCGROUP StewartR L0000079 L0000080 L0000081 L0000082
   SRCGROUP Onsite   L0000119 L0000120 L0000121 L0000122 L0000123 L0000124
   SRCGROUP Onsite   L0000125 L0000126 L0000127 L0000128 L0000129 L0000130
   SRCGROUP Onsite   L0000131 L0000132 L0000133 L0000134 L0000135 L0000136
   SRCGROUP Onsite   L0000137 L0000138 L0000139 L0000140 L0000141 L0000142
   SRCGROUP Onsite   L0000143 L0000144 L0000145 L0000146 L0000147 L0000148
   SRCGROUP Onsite   L0000149 L0000150 L0000151 L0000152 L0000153 L0000154
   SRCGROUP Onsite   L0000155 L0000156 L0000157 L0000158 L0000159 L0000160
   SRCGROUP Onsite   L0000161 L0000162 L0000163 L0000164 L0000165 L0000166
   SRCGROUP Onsite   L0000167 L0000168
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Irwindale_Cons.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE AZUS_V9_ADJU\AZUS_v9.SFC
   PROFFILE AZUS_V9_ADJU\AZUS_v9.PFL
   SURFDATA 3179 2012 Azusa
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 182.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST Irwindale_Cons.AD\01H1GALL.PLT 31
   PLOTFILE 1 Arrow 1ST Irwindale_Cons.AD\01H1G001.PLT 32
```

```
   PLOTFILE 1 LiveOak 1ST Irwindale_Cons.AD\01H1G002.PLT 33
   PLOTFILE 1 StewartR 1ST Irwindale_Cons.AD\01H1G003.PLT 34
   PLOTFILE 1 Onsite 1ST Irwindale_Cons.AD\01H1G004.PLT 35
   PLOTFILE PERIOD ALL Irwindale_Cons.AD\PE00GALL.PLT 36
   PLOTFILE PERIOD Arrow Irwindale_Cons.AD\PE00G001.PLT 37
   PLOTFILE PERIOD LiveOak Irwindale_Cons.AD\PE00G002.PLT 38
   PLOTFILE PERIOD StewartR Irwindale_Cons.AD\PE00G003.PLT 39
   PLOTFILE PERIOD Onsite Irwindale_Cons.AD\PE00G004.PLT 40
   SUMMFILE Irwindale_Cons.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    2538       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    2538       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

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

                                            ***     MODEL SETUP OPTIONS SUMMARY
  ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
```

```
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   168 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   9818605.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    168 Source(s);       5 Source Group(s); and     312
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    168 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 182.00 ; 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 = 3.8 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Irwindale_Cons.err

**File for Summary of Results: Irwindale_Cons.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	AIRCRAFT EMISSION RATE SCALAR VARY BY
L0000001	0	0.20833E-01	410301.5	3774405.7	123.3	3.40	6.51	3.16	YES	HRDOW NO
L0000002	0	0.20833E-01	410315.5	3774406.0	123.6	3.40	6.51	3.16	YES	HRDOW NO
L0000003	0	0.20833E-01	410329.5	3774406.3	123.7	3.40	6.51	3.16	YES	HRDOW NO
L0000004	0	0.20833E-01	410343.5	3774406.7	123.9	3.40	6.51	3.16	YES	HRDOW NO

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 L0000005         0   0.20833E-01  410357.5 3774407.0   124.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000006         0   0.20833E-01  410371.5 3774407.3   124.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000007         0   0.20833E-01  410385.5 3774407.7   124.4     3.40     6.51
3.16     YES   HRDOW            NO
 L0000008         0   0.20833E-01  410399.5 3774408.0   124.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000009         0   0.20833E-01  410413.5 3774408.3   124.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000010         0   0.20833E-01  410427.5 3774408.7   124.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000011         0   0.20833E-01  410441.5 3774409.0   124.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000012         0   0.20833E-01  410455.5 3774409.3   124.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000013         0   0.20833E-01  410469.5 3774409.7   124.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000014         0   0.20833E-01  410483.5 3774410.0   124.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000015         0   0.20833E-01  410497.5 3774410.3   124.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000016         0   0.20833E-01  410511.4 3774410.7   124.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000017         0   0.20833E-01  410525.4 3774411.0   124.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000018         0   0.20833E-01  410539.4 3774411.3   124.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000019         0   0.20833E-01  410553.4 3774411.7   125.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000020         0   0.20833E-01  410567.4 3774412.0   125.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000021         0   0.20833E-01  410581.4 3774412.3   125.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000022         0   0.20833E-01  410595.4 3774412.7   125.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000023         0   0.20833E-01  410609.4 3774413.0   125.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000024         0   0.20833E-01  410623.4 3774413.3   125.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000025         0   0.20833E-01  410637.4 3774413.7   125.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000026         0   0.20833E-01  410651.4 3774414.0   125.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000027         0   0.20833E-01  410665.4 3774414.3   125.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000028         0   0.20833E-01  410679.4 3774414.6   125.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000029         0   0.20833E-01  410693.4 3774415.0   125.9     3.40     6.51
3.16     YES   HRDOW            NO
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000030	0	0.20833E-01	410707.4	3774415.3	126.1	3.40	6.51	3.16	YES	HRDOW	NO
L0000031	0	0.20833E-01	410721.4	3774415.6	126.2	3.40	6.51	3.16	YES	HRDOW	NO
L0000032	0	0.20833E-01	410735.4	3774416.0	126.3	3.40	6.51	3.16	YES	HRDOW	NO
L0000033	0	0.20833E-01	410749.4	3774416.3	126.3	3.40	6.51	3.16	YES	HRDOW	NO
L0000034	0	0.20833E-01	410763.4	3774416.6	126.4	3.40	6.51	3.16	YES	HRDOW	NO
L0000035	0	0.20833E-01	410777.4	3774417.0	126.5	3.40	6.51	3.16	YES	HRDOW	NO
L0000036	0	0.20833E-01	410791.4	3774417.3	126.6	3.40	6.51	3.16	YES	HRDOW	NO
L0000037	0	0.20833E-01	410805.4	3774417.6	126.8	3.40	6.51	3.16	YES	HRDOW	NO
L0000038	0	0.20833E-01	410819.4	3774418.0	126.9	3.40	6.51	3.16	YES	HRDOW	NO
L0000039	0	0.20833E-01	410833.4	3774418.3	127.0	3.40	6.51	3.16	YES	HRDOW	NO
L0000040	0	0.20833E-01	410847.4	3774418.6	127.1	3.40	6.51	3.16	YES	HRDOW	NO
L0000041	0	0.20833E-01	410861.4	3774419.0	127.2	3.40	6.51	3.16	YES	HRDOW	NO
L0000042	0	0.20833E-01	410875.3	3774419.3	127.3	3.40	6.51	3.16	YES	HRDOW	NO
L0000043	0	0.20833E-01	410889.3	3774419.6	127.4	3.40	6.51	3.16	YES	HRDOW	NO
L0000044	0	0.20833E-01	410903.3	3774420.0	127.5	3.40	6.51	3.16	YES	HRDOW	NO

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 L0000045         0   0.20833E-01  410917.3 3774420.3   127.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000046         0   0.20833E-01  410931.3 3774420.6   127.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000047         0   0.20833E-01  410945.3 3774421.0   127.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000048         0   0.20833E-01  410959.3 3774421.3   128.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000049         0   0.29412E-01  410593.1 3774437.4   125.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000050         0   0.29412E-01  410593.5 3774451.4   125.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000051         0   0.29412E-01  410593.9 3774465.4   125.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000052         0   0.29412E-01  410594.3 3774479.4   126.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000053         0   0.29412E-01  410594.8 3774493.4   126.4     3.40     6.51
3.16     YES   HRDOW            NO
 L0000054         0   0.29412E-01  410595.2 3774507.4   126.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000055         0   0.29412E-01  410595.6 3774521.4   126.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000056         0   0.29412E-01  410596.0 3774535.4   126.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000057         0   0.29412E-01  410596.4 3774549.4   126.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000058         0   0.29412E-01  410596.9 3774563.3   126.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000059         0   0.29412E-01  410597.3 3774577.3   126.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000060         0   0.29412E-01  410597.7 3774591.3   126.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000061         0   0.29412E-01  410604.1 3774600.4   126.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000062         0   0.29412E-01  410617.7 3774603.7   126.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000063         0   0.29412E-01  410631.4 3774606.9   126.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000064         0   0.29412E-01  410645.0 3774610.1   126.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000065         0   0.29412E-01  410658.6 3774613.3   127.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000066         0   0.29412E-01  410672.2 3774616.5   127.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000067         0   0.29412E-01  410685.9 3774619.7   127.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000068         0   0.29412E-01  410696.1 3774629.1   127.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000069         0   0.29412E-01  410706.1 3774638.9   127.1     3.40     6.51
3.16     YES   HRDOW            NO
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000081	0	0.29412E-01	410826.1	3774756.4	129.0	3.40	6.51	3.16	YES	HRDOW	NO
L0000082	0	0.29412E-01	410836.1	3774766.2	129.5	3.40	6.51	3.16	YES	HRDOW	NO
L0000083	0	0.27778E-01	410695.9	3774914.3	130.0	3.40	6.51	3.16	YES	HRDOW	NO
L0000084	0	0.27778E-01	410706.0	3774904.7	129.8	3.40	6.51	3.16	YES	HRDOW	NO

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 L0000085         0   0.27778E-01  410716.2 3774895.1   130.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000086         0   0.27778E-01  410726.3 3774885.4   129.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000087         0   0.27778E-01  410736.5 3774875.8   130.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000088         0   0.27778E-01  410746.6 3774866.1   130.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000089         0   0.27778E-01  410756.8 3774856.5   130.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000090         0   0.27778E-01  410766.9 3774846.8   129.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000091         0   0.27778E-01  410777.0 3774837.2   129.4     3.40     6.51
3.16     YES   HRDOW            NO
 L0000092         0   0.27778E-01  410787.2 3774827.5   129.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000093         0   0.27778E-01  410797.3 3774817.9   129.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000094         0   0.27778E-01  410807.5 3774808.3   129.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000095         0   0.27778E-01  410817.6 3774798.6   130.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000096         0   0.27778E-01  410827.8 3774789.0   129.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000097         0   0.27778E-01  410837.9 3774779.3   130.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000098         0   0.27778E-01  410848.1 3774769.7   130.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000099         0   0.27778E-01  410858.2 3774760.0   129.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000100         0   0.27778E-01  410868.4 3774750.4   130.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000101         0   0.27778E-01  410878.5 3774740.8   130.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000102         0   0.27778E-01  410888.7 3774731.1   129.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000103         0   0.27778E-01  410898.8 3774721.5   129.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000104         0   0.27778E-01  410909.0 3774711.8   129.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000105         0   0.27778E-01  410919.1 3774702.2   130.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000106         0   0.27778E-01  410929.3 3774692.5   129.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000107         0   0.27778E-01  410939.4 3774682.9   130.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000108         0   0.27778E-01  410949.6 3774673.2   130.4     3.40     6.51
3.16     YES   HRDOW            NO
 L0000109         0   0.27778E-01  410959.7 3774663.6   129.9     3.40     6.51
3.16     YES   HRDOW            NO
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000110	0	0.27778E-01	410969.9	3774654.0	130.3	3.40	6.51	3.16	YES	HRDOW	NO
L0000111	0	0.27778E-01	410980.0	3774644.3	130.3	3.40	6.51	3.16	YES	HRDOW	NO
L0000112	0	0.27778E-01	410990.2	3774634.7	129.9	3.40	6.51	3.16	YES	HRDOW	NO
L0000113	0	0.27778E-01	411000.3	3774625.0	129.9	3.40	6.51	3.16	YES	HRDOW	NO
L0000114	0	0.27778E-01	411010.5	3774615.4	130.0	3.40	6.51	3.16	YES	HRDOW	NO
L0000115	0	0.27778E-01	411020.6	3774605.7	130.0	3.40	6.51	3.16	YES	HRDOW	NO
L0000116	0	0.27778E-01	411030.8	3774596.1	129.9	3.40	6.51	3.16	YES	HRDOW	NO
L0000117	0	0.27778E-01	411040.9	3774586.4	130.3	3.40	6.51	3.16	YES	HRDOW	NO
L0000118	0	0.27778E-01	411051.1	3774576.8	130.3	3.40	6.51	3.16	YES	HRDOW	NO
L0000119	0	0.20000E-01	410618.7	3774568.3	126.9	3.40	7.44	3.16	YES	HRDOW	NO
L0000120	0	0.20000E-01	410633.8	3774573.6	127.0	3.40	7.44	3.16	YES	HRDOW	NO
L0000121	0	0.20000E-01	410648.9	3774578.9	126.9	3.40	7.44	3.16	YES	HRDOW	NO
L0000122	0	0.20000E-01	410664.0	3774584.2	126.9	3.40	7.44	3.16	YES	HRDOW	NO
L0000123	0	0.20000E-01	410679.1	3774589.5	127.0	3.40	7.44	3.16	YES	HRDOW	NO
L0000124	0	0.20000E-01	410694.2	3774594.8	127.4	3.40	7.44	3.16	YES	HRDOW	NO

```
 L0000125         0   0.20000E-01  410708.8 3774598.3   127.7     3.40     7.44
3.16     YES   HRDOW            NO
 L0000126         0   0.20000E-01  410720.2 3774587.0   127.5     3.40     7.44
3.16     YES   HRDOW            NO
 L0000127         0   0.20000E-01  410710.7 3774579.8   127.3     3.40     7.44
3.16     YES   HRDOW            NO
 L0000128         0   0.20000E-01  410695.9 3774573.6   127.0     3.40     7.44
3.16     YES   HRDOW            NO
 L0000129         0   0.20000E-01  410681.2 3774567.4   126.8     3.40     7.44
3.16     YES   HRDOW            NO
 L0000130         0   0.20000E-01  410666.4 3774561.1   126.6     3.40     7.44
3.16     YES   HRDOW            NO
 L0000131         0   0.20000E-01  410651.7 3774554.9   126.5     3.40     7.44
3.16     YES   HRDOW            NO
 L0000132         0   0.20000E-01  410636.9 3774548.7   126.4     3.40     7.44
3.16     YES   HRDOW            NO
 L0000133         0   0.20000E-01  410622.2 3774542.5   126.5     3.40     7.44
3.16     YES   HRDOW            NO
 L0000134         0   0.20000E-01  410611.8 3774533.6   126.6     3.40     7.44
3.16     YES   HRDOW            NO
 L0000135         0   0.20000E-01  410615.0 3774521.0   126.5     3.40     7.44
3.16     YES   HRDOW            NO
 L0000136         0   0.20000E-01  410630.1 3774526.4   126.4     3.40     7.44
3.16     YES   HRDOW            NO
 L0000137         0   0.20000E-01  410645.1 3774531.7   126.4     3.40     7.44
3.16     YES   HRDOW            NO
 L0000138         0   0.20000E-01  410660.2 3774537.1   126.3     3.40     7.44
3.16     YES   HRDOW            NO
 L0000139         0   0.20000E-01  410675.3 3774542.5   126.3     3.40     7.44
3.16     YES   HRDOW            NO
 L0000140         0   0.20000E-01  410690.3 3774547.9   126.5     3.40     7.44
3.16     YES   HRDOW            NO
 L0000141         0   0.20000E-01  410705.4 3774553.3   126.8     3.40     7.44
3.16     YES   HRDOW            NO
 L0000142         0   0.20000E-01  410720.5 3774558.7   127.1     3.40     7.44
3.16     YES   HRDOW            NO
 L0000143         0   0.20000E-01  410735.5 3774564.1   127.5     3.40     7.44
3.16     YES   HRDOW            NO
 L0000144         0   0.20000E-01  410740.0 3774559.5   127.6     3.40     7.44
3.16     YES   HRDOW            NO
 L0000145         0   0.20000E-01  410733.7 3774544.7   127.3     3.40     7.44
3.16     YES   HRDOW            NO
 L0000146         0   0.20000E-01  410722.2 3774535.2   127.0     3.40     7.44
3.16     YES   HRDOW            NO
 L0000147         0   0.20000E-01  410707.5 3774528.9   126.7     3.40     7.44
3.16     YES   HRDOW            NO
 L0000148         0   0.20000E-01  410692.9 3774522.5   126.4     3.40     7.44
3.16     YES   HRDOW            NO
 L0000149         0   0.20000E-01  410678.2 3774516.2   126.4     3.40     7.44
3.16     YES   HRDOW            NO
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000150	0	0.20000E-01	410663.5	3774509.8	126.5	3.40	7.44	3.16	YES	HRDOW	NO
L0000151	0	0.20000E-01	410648.8	3774503.5	126.5	3.40	7.44	3.16	YES	HRDOW	NO
L0000152	0	0.20000E-01	410634.1	3774497.1	126.4	3.40	7.44	3.16	YES	HRDOW	NO
L0000153	0	0.20000E-01	410619.4	3774490.8	126.3	3.40	7.44	3.16	YES	HRDOW	NO
L0000154	0	0.20000E-01	410610.7	3774480.5	126.2	3.40	7.44	3.16	YES	HRDOW	NO
L0000155	0	0.20000E-01	410610.7	3774464.5	126.1	3.40	7.44	3.16	YES	HRDOW	NO
L0000156	0	0.20000E-01	410625.9	3774467.7	126.2	3.40	7.44	3.16	YES	HRDOW	NO
L0000157	0	0.20000E-01	410641.4	3774471.5	126.3	3.40	7.44	3.16	YES	HRDOW	NO
L0000158	0	0.20000E-01	410657.0	3774475.2	126.4	3.40	7.44	3.16	YES	HRDOW	NO
L0000159	0	0.20000E-01	410672.5	3774479.0	126.5	3.40	7.44	3.16	YES	HRDOW	NO
L0000160	0	0.20000E-01	410688.1	3774482.7	126.5	3.40	7.44	3.16	YES	HRDOW	NO
L0000161	0	0.20000E-01	410699.3	3774481.2	126.5	3.40	7.44	3.16	YES	HRDOW	NO
L0000162	0	0.20000E-01	410698.6	3774465.2	126.4	3.40	7.44	3.16	YES	HRDOW	NO
L0000163	0	0.20000E-01	410698.0	3774449.2	126.3	3.40	7.44	3.16	YES	HRDOW	NO
L0000164	0	0.20000E-01	410683.1	3774447.2	126.2	3.40	7.44	3.16	YES	HRDOW	NO

*** SOURCE IDs DEFINING SOURCE GROUPS
***

SRCGROUP ID	SOURCE IDs
ARROW	L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 , L0000089 , L0000090 ,
	L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
	L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
	L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
	L0000115 , L0000116 , L0000117 , L0000118 ,
LIVEOAK	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,

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             L0000033    , L0000034    , L0000035    , L0000036    , L0000037    ,
L0000038    , L0000039    , L0000040    ,

             L0000041    , L0000042    , L0000043    , L0000044    , L0000045    ,
L0000046    , L0000047    , L0000048    ,

  STEWARTR   L0000049    , L0000050    , L0000051    , L0000052    , L0000053    ,
L0000054    , L0000055    , L0000056    ,

             L0000057    , L0000058    , L0000059    , L0000060    , L0000061    ,
L0000062    , L0000063    , L0000064    ,

             L0000065    , L0000066    , L0000067    , L0000068    , L0000069    ,
L0000070    , L0000071    , L0000072    ,

             L0000073    , L0000074    , L0000075    , L0000076    , L0000077    ,
L0000078    , L0000079    , L0000080    ,

             L0000081    , L0000082    ,

  ONSITE     L0000119    , L0000120    , L0000121    , L0000122    , L0000123    ,
L0000124    , L0000125    , L0000126    ,

             L0000127    , L0000128    , L0000129    , L0000130    , L0000131    ,
L0000132    , L0000133    , L0000134    ,

             L0000135    , L0000136    , L0000137    , L0000138    , L0000139    ,
L0000140    , L0000141    , L0000142    ,

             L0000143    , L0000144    , L0000145    , L0000146    , L0000147    ,
L0000148    , L0000149    , L0000150    ,
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** SOURCE IDs DEFINING SOURCE GROUPS
***

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


             L0000151    , L0000152    , L0000153    , L0000154    , L0000155    ,
L0000156    , L0000157    , L0000158    ,
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             L0000159    , L0000160    , L0000161    , L0000162    , L0000163    ,
L0000164    , L0000165    , L0000166    ,

             L0000167    , L0000168    ,

  ALL        L0000001    , L0000002    , L0000003    , L0000004    , L0000005    ,
L0000006    , L0000007    , L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    , L0000013    ,
L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    , L0000021    ,
L0000022    , L0000023    , L0000024    ,

             L0000025    , L0000026    , L0000027    , L0000028    , L0000029    ,
L0000030    , L0000031    , L0000032    ,

             L0000033    , L0000034    , L0000035    , L0000036    , L0000037    ,
L0000038    , L0000039    , L0000040    ,

             L0000041    , L0000042    , L0000043    , L0000044    , L0000045    ,
L0000046    , L0000047    , L0000048    ,

             L0000049    , L0000050    , L0000051    , L0000052    , L0000053    ,
L0000054    , L0000055    , L0000056    ,

             L0000057    , L0000058    , L0000059    , L0000060    , L0000061    ,
L0000062    , L0000063    , L0000064    ,

             L0000065    , L0000066    , L0000067    , L0000068    , L0000069    ,
L0000070    , L0000071    , L0000072    ,

             L0000073    , L0000074    , L0000075    , L0000076    , L0000077    ,
L0000078    , L0000079    , L0000080    ,

             L0000081    , L0000082    , L0000083    , L0000084    , L0000085    ,
L0000086    , L0000087    , L0000088    ,

             L0000089    , L0000090    , L0000091    , L0000092    , L0000093    ,
L0000094    , L0000095    , L0000096    ,

             L0000097    , L0000098    , L0000099    , L0000100    , L0000101    ,
L0000102    , L0000103    , L0000104    ,

             L0000105    , L0000106    , L0000107    , L0000108    , L0000109    ,
L0000110    , L0000111    , L0000112    ,

             L0000113    , L0000114    , L0000115    , L0000116    , L0000117    ,
L0000118    , L0000119    , L0000120    ,
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             L0000121    , L0000122    , L0000123    , L0000124    , L0000125    ,
L0000126    , L0000127    , L0000128    ,

             L0000129    , L0000130    , L0000131    , L0000132    , L0000133    ,
L0000134    , L0000135    , L0000136    ,
```

L0000008 ,

L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 ,

L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 ,

L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
L0000030 , L0000031 , L0000032 ,

L0000033 , L0000034 , L0000035 , L0000036 , L0000037 ,
L0000038 , L0000039 , L0000040 ,

L0000041 , L0000042 , L0000043 , L0000044 , L0000045 ,
L0000046 , L0000047 , L0000048 ,

L0000049 , L0000050 , L0000051 , L0000052 , L0000053 ,
L0000054 , L0000055 , L0000056 ,

L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 ,

L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 ,

L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
L0000078 , L0000079 , L0000080 ,

L0000081 , L0000082 , L0000083 , L0000084 , L0000085 ,
L0000086 , L0000087 , L0000088 ,

L0000089 , L0000090 , L0000091 , L0000092 , L0000093 ,
L0000094 , L0000095 , L0000096 ,

L0000097 , L0000098 , L0000099 , L0000100 , L0000101 ,
L0000102 , L0000103 , L0000104 ,

L0000105 , L0000106 , L0000107 , L0000108 , L0000109 ,
L0000110 , L0000111 , L0000112 ,

L0000113 , L0000114 , L0000115 , L0000116 , L0000117 ,
L0000118 , L0000119 , L0000120 ,

L0000121 , L0000122 , L0000123 , L0000124 , L0000125 ,
L0000126 , L0000127 , L0000128 ,

L0000129 , L0000130 , L0000131 , L0000132 , L0000133 ,
L0000134 , L0000135 , L0000136 ,

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

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

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

 SOURCE ID = L0000001   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY

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

 SOURCE ID = L0000002   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	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	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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



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

 SOURCE ID = L0000005     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000006     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000007   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

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

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

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

 SOURCE ID = L0000008   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000009     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000010     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000011   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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

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

 SOURCE ID = L0000012   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000013     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

 SOURCE ID = L0000014   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000017     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

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

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

 SOURCE ID = L0000018   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000021     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000022   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

```
 SOURCE ID = L0000023     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000024     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000025     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

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22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000026     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

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

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

 SOURCE ID = L0000027     ; SOURCE TYPE = VOLUME   :
```

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000028     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000029   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000031 ; SOURCE TYPE = VOLUME :

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

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

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

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 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 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc              ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000033     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc              ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000034 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000035 ; SOURCE TYPE = VOLUME :

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

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

 SOURCE ID = L0000036   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000037     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

```
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000040     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000041     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 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 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc              ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000044     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

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

 SOURCE ID = L0000045   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = L0000046   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000047   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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

 SOURCE ID = L0000048   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

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

 SOURCE ID = L0000049   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

```
 SOURCE ID = L0000050     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000051     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000052     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	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	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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

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

SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 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 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000056     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000057   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000058   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000059     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000060     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000061   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000062   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000063     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                         ***       11:33:01

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

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

 SOURCE ID = L0000064     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                         ***       11:33:01

                                   PAGE  76
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000067     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

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

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

 SOURCE ID = L0000068   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

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

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

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

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000071     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000072   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = L0000073     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000074     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000075 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 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 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

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

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

 SOURCE ID = L0000076   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000077   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000078     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000079   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

SOURCE ID = L0000080 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000081 ; SOURCE TYPE = VOLUME :

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

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000082     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc              ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000083     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc              ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000084 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000085 ; SOURCE TYPE = VOLUME :

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

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

 SOURCE ID = L0000086   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000087     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000088   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000089   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY

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

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6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000090     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000091     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE 103
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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SOURCE ID = L0000092 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000093 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

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14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc              ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000094     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000095     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
```

OF WEEK (HRDOW) *

 SOURCE ID = L0000096   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000097   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000098 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

 SOURCE ID = L0000099   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

```
 SOURCE ID = L0000100     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE 112
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000101     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000102     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

SOURCE ID = L0000103 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	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	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000104 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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


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

```
 SOURCE ID = L0000105     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                               DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000106     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000107   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000108   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000109     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

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

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

 SOURCE ID = L0000110     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000111 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000112 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE 124
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000113     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000114   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

SOURCE ID = L0000115 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000116 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE 128
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000117     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000118   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00

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

 SOURCE ID = L0000121   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000122   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = L0000123     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000124     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 136
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000125     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000126   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000127   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000128     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000129   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

SOURCE ID = L0000130 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000131 ; SOURCE TYPE = VOLUME :

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

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

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

SOURCE ID = L0000132 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 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 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc              ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000133     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc              ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000134 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000135 ; SOURCE TYPE = VOLUME :

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

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

 SOURCE ID = L0000136   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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

                                          DAY OF WEEK = SUNDAY

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

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

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000137   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

 -
- -

                                          DAY OF WEEK = WEEKDAY

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

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

                                          DAY OF WEEK = SATURDAY

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

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

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

                                          DAY OF WEEK = SUNDAY

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000138 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000139 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

```
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 151
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000140     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE 152
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000141     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE 153
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000142     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE 154
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000143     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
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14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE 155
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000144     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 156
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000145     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 157
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
```

OF WEEK (HRDOW) *

 SOURCE ID = L0000146   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000147   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000148 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = L0000149 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

```
 SOURCE ID = L0000150     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE 162
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000151     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

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

 SOURCE ID = L0000152   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

SOURCE ID = L0000153 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000154 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

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

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

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

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

SOURCE ID = L0000155 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

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

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

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 167
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000156     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000157   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                   DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   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 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

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

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

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

 SOURCE ID = L0000158   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 170
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000159     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 171
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000160     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000161 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000162 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                   PAGE 174
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000163     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000164   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

SOURCE ID = L0000165 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000166 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	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  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 178
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000167     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000168   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(410264.2, 3774023.1, 120.0, 120.0, 0.0); (410309.2, 3774023.1, 120.1, 120.1, 0.0);
(410354.2, 3774023.1, 120.7, 120.7, 0.0); (410399.2, 3774023.1, 121.3, 121.3, 0.0);
(410444.2, 3774023.1, 122.0, 122.0, 0.0); (410489.2, 3774023.1, 121.7, 121.7, 0.0);
(410534.2, 3774023.1, 121.8, 121.8, 0.0); (410579.2, 3774023.1, 122.0, 122.0, 0.0);
(410624.2, 3774023.1, 122.2, 122.2, 0.0); (410669.2, 3774023.1, 122.8, 122.8, 0.0);
(410714.2, 3774023.1, 123.0, 123.0, 0.0); (410759.2, 3774023.1, 123.3, 123.3, 0.0);
(410804.2, 3774023.1, 123.1, 123.1, 0.0); (410849.2, 3774023.1, 123.6, 123.6, 0.0);
(410894.2, 3774023.1, 124.0, 124.0, 0.0); (410939.2, 3774023.1, 124.4, 124.4, 0.0);
(410984.2, 3774023.1, 124.8, 124.8, 0.0); (411029.2, 3774023.1, 125.0, 125.0, 0.0);
(411074.2, 3774023.1, 125.4, 125.4, 0.0); (411119.2, 3774023.1, 125.9, 125.9, 0.0);
(411164.2, 3774023.1, 126.4, 126.4, 0.0); (411209.2, 3774023.1, 126.8, 126.8, 0.0);
(411254.2, 3774023.1, 127.1, 127.1, 0.0); (411299.2, 3774023.1, 127.3, 127.3, 0.0);
(410264.2, 3774068.1, 120.1, 120.1, 0.0); (410309.2, 3774068.1, 120.5, 120.5, 0.0);
(410354.2, 3774068.1, 120.9, 120.9, 0.0); (410399.2, 3774068.1, 121.3, 121.3, 0.0);
(410444.2, 3774068.1, 121.6, 121.6, 0.0); (410489.2, 3774068.1, 122.0, 122.0, 0.0);
(410534.2, 3774068.1, 121.9, 121.9, 0.0); (410579.2, 3774068.1, 122.3, 122.3, 0.0);
(410624.2, 3774068.1, 122.6, 122.6, 0.0); (410669.2, 3774068.1, 123.4, 123.4, 0.0);
(410714.2, 3774068.1, 123.6, 123.6, 0.0); (410759.2, 3774068.1, 123.8, 123.8, 0.0);
(410804.2, 3774068.1, 123.5, 123.5, 0.0); (410849.2, 3774068.1, 124.3, 124.3, 0.0);
(410894.2, 3774068.1, 124.7, 124.7, 0.0); (410939.2, 3774068.1, 125.2, 125.2, 0.0);
(410984.2, 3774068.1, 125.4, 125.4, 0.0); (411029.2, 3774068.1, 125.5, 125.5, 0.0);
(411074.2, 3774068.1, 125.8, 125.8, 0.0); (411119.2, 3774068.1, 126.1, 126.1, 0.0);
(411164.2, 3774068.1, 126.7, 126.7, 0.0); (411209.2, 3774068.1, 126.8, 126.8, 0.0);

```
     ( 411254.2, 3774068.1,     127.3,     127.3,       0.0);         ( 411299.2,
3774068.1,     127.7,     127.7,       0.0);
     ( 410264.2, 3774113.1,     121.1,     121.1,       0.0);         ( 410309.2,
3774113.1,     121.1,     121.1,       0.0);
     ( 410354.2, 3774113.1,     120.8,     120.8,       0.0);         ( 410399.2,
3774113.1,     121.6,     121.6,       0.0);
     ( 410444.2, 3774113.1,     121.5,     121.5,       0.0);         ( 410489.2,
3774113.1,     122.2,     122.2,       0.0);
     ( 410534.2, 3774113.1,     122.7,     122.7,       0.0);         ( 410579.2,
3774113.1,     122.8,     122.8,       0.0);
     ( 410624.2, 3774113.1,     122.9,     122.9,       0.0);         ( 410669.2,
3774113.1,     123.6,     123.6,       0.0);
     ( 410714.2, 3774113.1,     124.0,     124.0,       0.0);         ( 410759.2,
3774113.1,     123.8,     123.8,       0.0);
     ( 410804.2, 3774113.1,     123.8,     123.8,       0.0);         ( 410849.2,
3774113.1,     124.6,     124.6,       0.0);
     ( 410894.2, 3774113.1,     125.0,     125.0,       0.0);         ( 410939.2,
3774113.1,     125.4,     125.4,       0.0);
     ( 410984.2, 3774113.1,     125.8,     125.8,       0.0);         ( 411029.2,
3774113.1,     126.0,     126.0,       0.0);
     ( 411074.2, 3774113.1,     126.1,     126.1,       0.0);         ( 411119.2,
3774113.1,     126.4,     126.4,       0.0);
     ( 411164.2, 3774113.1,     127.0,     127.0,       0.0);         ( 411209.2,
3774113.1,     126.9,     126.9,       0.0);
     ( 411254.2, 3774113.1,     127.6,     127.6,       0.0);         ( 411299.2,
3774113.1,     128.0,     128.0,       0.0);
     ( 410264.2, 3774158.1,     121.1,     121.1,       0.0);         ( 410309.2,
3774158.1,     121.8,     121.8,       0.0);
     ( 410354.2, 3774158.1,     121.6,     121.6,       0.0);         ( 410399.2,
3774158.1,     121.6,     121.6,       0.0);
     ( 410444.2, 3774158.1,     122.1,     122.1,       0.0);         ( 410489.2,
3774158.1,     122.4,     122.4,       0.0);
     ( 410534.2, 3774158.1,     123.0,     123.0,       0.0);         ( 410579.2,
3774158.1,     123.2,     123.2,       0.0);
     ( 410624.2, 3774158.1,     123.8,     123.8,       0.0);         ( 410669.2,
3774158.1,     124.2,     124.2,       0.0);
     ( 410714.2, 3774158.1,     124.3,     124.3,       0.0);         ( 410759.2,
3774158.1,     124.4,     124.4,       0.0);
     ( 410804.2, 3774158.1,     124.2,     124.2,       0.0);         ( 410849.2,
3774158.1,     124.7,     124.7,       0.0);
     ( 410894.2, 3774158.1,     125.3,     125.3,       0.0);         ( 410939.2,
3774158.1,     125.6,     125.6,       0.0);
     ( 410984.2, 3774158.1,     126.1,     126.1,       0.0);         ( 411029.2,
3774158.1,     126.3,     126.3,       0.0);
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(411074.2, 3774158.1, 126.6, 126.6, 0.0); (411119.2, 3774158.1, 126.8, 126.8, 0.0);
(411164.2, 3774158.1, 127.2, 127.2, 0.0); (411209.2, 3774158.1, 127.3, 127.3, 0.0);
(411254.2, 3774158.1, 127.9, 127.9, 0.0); (411299.2, 3774158.1, 128.2, 128.2, 0.0);
(410264.2, 3774203.1, 120.4, 120.4, 0.0); (410309.2, 3774203.1, 121.7, 121.7, 0.0);
(410354.2, 3774203.1, 122.0, 122.0, 0.0); (410399.2, 3774203.1, 122.2, 122.2, 0.0);
(410444.2, 3774203.1, 122.5, 122.5, 0.0); (410489.2, 3774203.1, 122.7, 122.7, 0.0);
(410534.2, 3774203.1, 123.2, 123.2, 0.0); (410579.2, 3774203.1, 123.5, 123.5, 0.0);
(410624.2, 3774203.1, 123.7, 123.7, 0.0); (410669.2, 3774203.1, 124.2, 124.2, 0.0);
(410714.2, 3774203.1, 124.8, 124.8, 0.0); (410759.2, 3774203.1, 124.9, 124.9, 0.0);
(410804.2, 3774203.1, 124.6, 124.6, 0.0); (410849.2, 3774203.1, 125.4, 125.4, 0.0);
(410894.2, 3774203.1, 125.8, 125.8, 0.0); (410939.2, 3774203.1, 126.2, 126.2, 0.0);
(410984.2, 3774203.1, 126.4, 126.4, 0.0); (411029.2, 3774203.1, 126.8, 126.8, 0.0);
(411074.2, 3774203.1, 126.9, 126.9, 0.0); (411119.2, 3774203.1, 127.2, 127.2, 0.0);
(411164.2, 3774203.1, 127.5, 127.5, 0.0); (411209.2, 3774203.1, 127.8, 127.8, 0.0);
(411254.2, 3774203.1, 128.5, 128.5, 0.0); (411299.2, 3774203.1, 128.6, 128.6, 0.0);
(410264.2, 3774248.1, 121.0, 121.0, 0.0); (410309.2, 3774248.1, 121.6, 121.6, 0.0);
(410354.2, 3774248.1, 122.4, 122.4, 0.0); (410399.2, 3774248.1, 122.8, 122.8, 0.0);
(410444.2, 3774248.1, 122.9, 122.9, 0.0); (410489.2, 3774248.1, 123.1, 123.1, 0.0);
(410534.2, 3774248.1, 123.3, 123.3, 0.0); (410579.2, 3774248.1, 123.8, 123.8, 0.0);
(410624.2, 3774248.1, 124.5, 124.5, 0.0); (410669.2, 3774248.1, 125.1, 125.1, 0.0);
(410714.2, 3774248.1, 125.2, 125.2, 0.0); (410759.2, 3774248.1, 125.6, 125.6, 0.0);
(410804.2, 3774248.1, 124.9, 124.9, 0.0); (410849.2, 3774248.1, 125.7, 125.7, 0.0);

```
     ( 410894.2, 3774248.1,     126.0,     126.0,       0.0);         ( 410939.2,
3774248.1,     126.3,     126.3,       0.0);
     ( 410984.2, 3774248.1,     126.7,     126.7,       0.0);         ( 411029.2,
3774248.1,     127.0,     127.0,       0.0);
     ( 411074.2, 3774248.1,     127.3,     127.3,       0.0);         ( 411119.2,
3774248.1,     127.7,     127.7,       0.0);
     ( 411164.2, 3774248.1,     128.2,     128.2,       0.0);         ( 411209.2,
3774248.1,     128.2,     128.2,       0.0);
     ( 411254.2, 3774248.1,     128.9,     128.9,       0.0);         ( 411299.2,
3774248.1,     129.1,     129.1,       0.0);
     ( 410264.2, 3774293.1,     121.5,     121.5,       0.0);         ( 410309.2,
3774293.1,     122.1,     122.1,       0.0);
     ( 410354.2, 3774293.1,     122.6,     122.6,       0.0);         ( 410399.2,
3774293.1,     123.2,     123.2,       0.0);
     ( 410444.2, 3774293.1,     123.6,     123.6,       0.0);         ( 410489.2,
3774293.1,     123.8,     123.8,       0.0);
     ( 410534.2, 3774293.1,     123.7,     123.7,       0.0);         ( 410579.2,
3774293.1,     124.0,     124.0,       0.0);
     ( 410624.2, 3774293.1,     124.7,     124.7,       0.0);         ( 410669.2,
3774293.1,     125.8,     125.8,       0.0);
     ( 410714.2, 3774293.1,     125.2,     125.2,       0.0);         ( 410759.2,
3774293.1,     125.8,     125.8,       0.0);
     ( 410804.2, 3774293.1,     125.8,     125.8,       0.0);         ( 410849.2,
3774293.1,     126.3,     126.3,       0.0);
     ( 410894.2, 3774293.1,     126.7,     126.7,       0.0);         ( 410939.2,
3774293.1,     126.9,     126.9,       0.0);
     ( 410984.2, 3774293.1,     126.9,     126.9,       0.0);         ( 411029.2,
3774293.1,     127.4,     127.4,       0.0);
     ( 411074.2, 3774293.1,     127.7,     127.7,       0.0);         ( 411119.2,
3774293.1,     128.1,     128.1,       0.0);
     ( 411164.2, 3774293.1,     128.6,     128.6,       0.0);         ( 411209.2,
3774293.1,     128.7,     128.7,       0.0);
     ( 411254.2, 3774293.1,     129.2,     129.2,       0.0);         ( 411299.2,
3774293.1,     129.5,     129.5,       0.0);
     ( 410264.2, 3774338.1,     122.0,     122.0,       0.0);         ( 410309.2,
3774338.1,     123.0,     123.0,       0.0);
     ( 410354.2, 3774338.1,     123.3,     123.3,       0.0);         ( 410399.2,
3774338.1,     123.6,     123.6,       0.0);
     ( 410444.2, 3774338.1,     124.0,     124.0,       0.0);         ( 410489.2,
3774338.1,     124.1,     124.1,       0.0);
     ( 410534.2, 3774338.1,     124.0,     124.0,       0.0);         ( 410579.2,
3774338.1,     124.5,     124.5,       0.0);
     ( 410624.2, 3774338.1,     125.0,     125.0,       0.0);         ( 410669.2,
3774338.1,     125.2,     125.2,       0.0);
     ( 410714.2, 3774338.1,     125.5,     125.5,       0.0);         ( 410759.2,
3774338.1,     125.7,     125.7,       0.0);
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(410804.2, 3774338.1, 127.0, 127.0, 0.0); (410849.2, 3774338.1, 127.3, 127.3, 0.0);
(410894.2, 3774338.1, 127.5, 127.5, 0.0); (410939.2, 3774338.1, 127.8, 127.8, 0.0);
(410984.2, 3774338.1, 127.4, 127.4, 0.0); (411029.2, 3774338.1, 127.9, 127.9, 0.0);
(411074.2, 3774338.1, 128.2, 128.2, 0.0); (411119.2, 3774338.1, 128.5, 128.5, 0.0);
(411164.2, 3774338.1, 128.9, 128.9, 0.0); (411209.2, 3774338.1, 129.1, 129.1, 0.0);
(411254.2, 3774338.1, 129.6, 129.6, 0.0); (411299.2, 3774338.1, 129.7, 157.1, 0.0);
(410264.2, 3774383.1, 122.4, 122.4, 0.0); (410309.2, 3774383.1, 123.3, 123.3, 0.0);
(410354.2, 3774383.1, 123.8, 123.8, 0.0); (410399.2, 3774383.1, 124.2, 124.2, 0.0);
(410444.2, 3774383.1, 124.5, 124.5, 0.0); (410489.2, 3774383.1, 124.4, 124.4, 0.0);
(410534.2, 3774383.1, 124.5, 124.5, 0.0); (410579.2, 3774383.1, 124.9, 124.9, 0.0);
(410624.2, 3774383.1, 125.6, 125.6, 0.0); (410669.2, 3774383.1, 125.7, 125.7, 0.0);
(410714.2, 3774383.1, 126.1, 126.1, 0.0); (410759.2, 3774383.1, 126.2, 126.2, 0.0);
(410804.2, 3774383.1, 126.9, 126.9, 0.0); (410849.2, 3774383.1, 127.6, 127.6, 0.0);
(410894.2, 3774383.1, 127.6, 127.6, 0.0); (410939.2, 3774383.1, 128.0, 128.0, 0.0);
(410984.2, 3774383.1, 127.5, 127.5, 0.0); (411029.2, 3774383.1, 128.5, 128.5, 0.0);
(411074.2, 3774383.1, 128.7, 128.7, 0.0); (411119.2, 3774383.1, 128.9, 157.2, 0.0);
(411164.2, 3774383.1, 129.4, 157.2, 0.0); (411209.2, 3774383.1, 129.8, 157.2, 0.0);
(411254.2, 3774383.1, 130.0, 157.2, 0.0); (411299.2, 3774383.1, 130.2, 157.2, 0.0);
(410264.2, 3774428.1, 123.6, 123.6, 0.0); (410309.2, 3774428.1, 124.1, 124.1, 0.0);
(410354.2, 3774428.1, 124.4, 124.4, 0.0); (410399.2, 3774428.1, 124.6, 124.6, 0.0);
(410444.2, 3774428.1, 124.6, 124.6, 0.0); (410489.2, 3774428.1, 124.8, 124.8, 0.0);

```
     ( 410534.2, 3774428.1,     125.0,     125.0,       0.0);         ( 410579.2,
3774428.1,     125.3,     125.3,       0.0);
     ( 410264.2, 3774473.1,     123.5,     123.5,       0.0);         ( 410309.2,
3774473.1,     123.8,     123.8,       0.0);
     ( 410354.2, 3774473.1,     124.2,     124.2,       0.0);         ( 410399.2,
3774473.1,     124.4,     124.4,       0.0);
     ( 410444.2, 3774473.1,     124.7,     124.7,       0.0);         ( 410489.2,
3774473.1,     125.0,     125.0,       0.0);
     ( 410534.2, 3774473.1,     125.3,     125.3,       0.0);         ( 410579.2,
3774473.1,     125.7,     125.7,       0.0);
     ( 410264.2, 3774518.1,     124.5,     124.5,       0.0);         ( 410309.2,
3774518.1,     125.2,     125.2,       0.0);
     ( 410354.2, 3774518.1,     125.2,     125.2,       0.0);         ( 410399.2,
3774518.1,     125.4,     125.4,       0.0);
     ( 410444.2, 3774518.1,     126.1,     126.1,       0.0);         ( 410489.2,
3774518.1,     125.6,     125.6,       0.0);
     ( 410534.2, 3774518.1,     126.5,     126.5,       0.0);         ( 410579.2,
3774518.1,     126.5,     126.5,       0.0);
     ( 410264.2, 3774563.1,     125.2,     125.2,       0.0);         ( 410309.2,
3774563.1,     125.2,     125.2,       0.0);
     ( 410354.2, 3774563.1,     125.6,     125.6,       0.0);         ( 410399.2,
3774563.1,     125.7,     125.7,       0.0);
     ( 410444.2, 3774563.1,     125.9,     125.9,       0.0);         ( 410489.2,
3774563.1,     126.1,     126.1,       0.0);
     ( 410534.2, 3774563.1,     126.3,     126.3,       0.0);         ( 410579.2,
3774563.1,     126.6,     126.6,       0.0);
     ( 410264.2, 3774608.1,     125.3,     125.3,       0.0);         ( 410309.2,
3774608.1,     125.1,     125.1,       0.0);
     ( 410354.2, 3774608.1,     125.8,     125.8,       0.0);         ( 410399.2,
3774608.1,     126.2,     126.2,       0.0);
     ( 410444.2, 3774608.1,     126.8,     126.8,       0.0);         ( 410489.2,
3774608.1,     126.8,     126.8,       0.0);
     ( 410534.2, 3774608.1,     127.3,     127.3,       0.0);         ( 410579.2,
3774608.1,     127.0,     127.0,       0.0);
     ( 410624.2, 3774608.1,     126.8,     126.8,       0.0);         ( 410759.2,
3774608.1,     127.9,     127.9,       0.0);
     ( 410804.2, 3774608.1,     128.8,     157.2,       0.0);         ( 410354.2,
3774653.1,     125.8,     125.8,       0.0);
     ( 410399.2, 3774653.1,     125.8,     125.8,       0.0);         ( 410444.2,
3774653.1,     126.2,     126.2,       0.0);
     ( 410489.2, 3774653.1,     126.5,     126.5,       0.0);         ( 410534.2,
3774653.1,     126.3,     126.3,       0.0);
     ( 410579.2, 3774653.1,     126.4,     126.4,       0.0);         ( 410624.2,
3774653.1,     126.8,     126.8,       0.0);
     ( 410669.2, 3774653.1,     127.4,     127.4,       0.0);         ( 410714.2,
3774653.1,     127.3,     127.3,       0.0);
     ( 410759.2, 3774653.1,     127.8,     157.2,       0.0);         ( 410804.2,
3774653.1,     128.5,     157.2,       0.0);
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(410354.2, 3774698.1, 125.8, 125.8, 0.0); (410399.2, 3774698.1, 126.3, 126.3, 0.0);
(410444.2, 3774698.1, 126.6, 126.6, 0.0); (410489.2, 3774698.1, 126.6, 126.6, 0.0);
(410534.2, 3774698.1, 126.5, 126.5, 0.0); (410579.2, 3774698.1, 126.3, 126.3, 0.0);
(410624.2, 3774698.1, 126.4, 126.4, 0.0); (410669.2, 3774698.1, 126.8, 126.8, 0.0);
(410714.2, 3774698.1, 127.4, 157.2, 0.0); (410759.2, 3774698.1, 128.2, 157.2, 0.0);
(410804.2, 3774698.1, 128.9, 157.2, 0.0); (410444.2, 3774743.1, 126.8, 126.8, 0.0);
(410489.2, 3774743.1, 126.8, 126.8, 0.0); (410534.2, 3774743.1, 126.7, 126.7, 0.0);
(410579.2, 3774743.1, 126.6, 126.6, 0.0); (410624.2, 3774743.1, 126.3, 126.3, 0.0);
(410669.2, 3774743.1, 126.4, 157.2, 0.0); (410714.2, 3774743.1, 126.9, 157.2, 0.0);
(410759.2, 3774743.1, 127.6, 157.2, 0.0); (410804.2, 3774743.1, 128.6, 157.2, 0.0);
(410444.2, 3774788.1, 127.0, 127.0, 0.0); (410489.2, 3774788.1, 127.0, 127.0, 0.0);
(410534.2, 3774788.1, 127.0, 127.0, 0.0); (410579.2, 3774788.1, 126.8, 156.8, 0.0);
(410624.2, 3774788.1, 126.6, 157.2, 0.0); (410669.2, 3774788.1, 126.3, 157.2, 0.0);
(410714.2, 3774788.1, 126.6, 157.2, 0.0); (410759.2, 3774788.1, 127.6, 157.2, 0.0);
(410804.2, 3774788.1, 129.2, 157.2, 0.0); (410489.2, 3774833.1, 127.3, 127.3, 0.0);
(410534.2, 3774833.1, 127.4, 127.4, 0.0); (410579.2, 3774833.1, 127.2, 157.2, 0.0);
(410624.2, 3774833.1, 127.0, 157.2, 0.0); (410669.2, 3774833.1, 126.8, 157.2, 0.0);
(410714.2, 3774833.1, 127.5, 157.2, 0.0); (410759.2, 3774833.1, 128.6, 157.2, 0.0);
(410489.2, 3774878.1, 127.2, 127.2, 0.0); (410534.2, 3774878.1, 127.7, 157.2, 0.0);
(410579.2, 3774878.1, 127.7, 157.2, 0.0); (410624.2, 3774878.1, 127.6, 157.2, 0.0);

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000062	410624.2	3774608.1	-6.13
L0000063	410624.2	3774608.1	-6.73
L0000070	410714.2	3774653.1	-9.19
L0000071	410714.2	3774653.1	-0.95
L0000074	410759.2	3774698.1	-3.30
L0000075	410759.2	3774698.1	-7.07
L0000079	410804.2	3774743.1	-7.44
L0000080	410804.2	3774743.1	-1.56
L0000086	410714.2	3774878.1	0.12

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***
(1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1
1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: AZUS_V9_ADJU\AZUS_v9.SFC
Met Version: 16216
Profile file: AZUS_V9_ADJU\AZUS_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3179 Upper air station no.: 3190

Name: AZUSA 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	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	20.	9.1	293.1	5.5
12	01	01	1	02	-32.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.36	1.68	1.00	2.70	99.	9.1	293.1	5.5
12	01	01	1	03	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	14.	9.1	292.0	5.5
12	01	01	1	04	-32.6	0.342	-9.000	-9.000	-999.	480.	128.9	0.36	1.68	1.00	2.70	10.	9.1	292.5	5.5
12	01	01	1	05	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	12.	9.1	292.5	5.5
12	01	01	1	06	-21.6	0.224	-9.000	-9.000	-999.	256.	55.2	0.36	1.68	1.00	1.80	118.	9.1	289.2	5.5
12	01	01	1	07	-26.6	0.277	-9.000	-9.000	-999.	349.	84.1	0.36	1.68	1.00	2.20	64.	9.1	290.9	5.5
12	01	01	1	08	-1.3	0.062	-9.000	-9.000	-999.	124.	16.5	0.36	1.68	0.55	0.40	36.	9.1	290.9	5.5
12	01	01	1	09	38.1	0.160	0.348	0.008	39.	153.	-9.5	0.36	1.68	0.32	0.90	124.	9.1	293.8	5.5
12	01	01	1	10	99.5	0.179	0.693	0.007	119.	181.	-5.1	0.36	1.68	0.25	0.90	21.	9.1	298.1	5.5
12	01	01	1	11	142.6	0.494	1.086	0.005	321.	832.	-75.2	0.36	1.68	0.22	3.60	141.	9.1	299.9	5.5
12	01	01	1	12	162.8	0.442	1.385	0.005	582.	709.	-47.3	0.36	1.68	0.21	3.10	122.	9.1	299.9	5.5
12	01	01	1	13	164.4	0.298	1.634	0.005	946.	405.	-14.3	0.36	1.68	0.21	1.80	114.	9.1	300.9	5.5
12	01	01	1	14	142.7	0.293	1.718	0.005	1265.	382.	-15.8	0.36	1.68	0.22	1.80	93.	9.1	302.5	5.5
12	01	01	1	15	96.7	0.283	1.575	0.005	1438.	361.	-20.7	0.36	1.68	0.26	1.80	110.	9.1	303.8	5.5
12	01	01	1	16	41.5	0.207	1.201	0.005	1485.	228.	-18.9	0.36	1.68	0.35	1.30	113.	9.1	304.2	5.5
12	01	01	1	17	-37.8	0.464	-9.000	-9.000	-999.	757.	236.3	0.36	1.68	0.62	3.60	251.	9.1	300.9	5.5
12	01	01	1	18	-26.1	0.277	-9.000	-9.000	-999.	379.	84.2	0.36	1.68	1.00	2.20	8.	9.1	296.4	5.5
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.36	1.68	1.00	999.00	999.	-9.0	295.9	5.5
12	01	01	1	20	-5.7	0.107	-9.000	-9.000	-999.	84.	19.3	0.36	1.68	1.00	0.90	35.	9.1	295.4	5.5
12	01	01	1	21	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68						

```
1.00    1.80  213.    9.1  293.8    5.5
 12 01 01   1 22  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80   52.    9.1  293.8    5.5
 12 01 01   1 23  -26.3  0.277 -9.000 -9.000 -999.  349.     84.2  0.36   1.68
1.00    2.20   58.    9.1  293.8    5.5
 12 01 01   1 24  -21.4  0.224 -9.000 -9.000 -999.  256.     55.3  0.36   1.68
1.00    1.80   83.    9.1  292.5    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   293.2   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   20.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 187
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ARROW    ***
                                  INCLUDING SOURCE(S):     L0000083    , L0000084
 , L0000085    , L0000086    , L0000087    ,
                 L0000088    , L0000089    , L0000090    , L0000091    , L0000092
 , L0000093    , L0000094    , L0000095    ,
                 L0000096    , L0000097    , L0000098    , L0000099    , L0000100
 , L0000101    , L0000102    , L0000103    ,
                 L0000104    , L0000105    , L0000106    , L0000107    , L0000108
 , L0000109    , L0000110    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         410264.21    3774023.13        0.04658                     410309.21
3774023.13        0.04932
         410354.21    3774023.13        0.05217                     410399.21
3774023.13        0.05509
         410444.21    3774023.13        0.05806                     410489.21
3774023.13        0.06101
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         410534.21    3774023.13        0.06388                    410579.21
3774023.13        0.06662
         410624.21    3774023.13        0.06914                    410669.21
3774023.13        0.07135
         410714.21    3774023.13        0.07318                    410759.21
3774023.13        0.07455
         410804.21    3774023.13        0.07540                    410849.21
3774023.13        0.07568
         410894.21    3774023.13        0.07540                    410939.21
3774023.13        0.07457
         410984.21    3774023.13        0.07325                    411029.21
3774023.13        0.07150
         411074.21    3774023.13        0.06940                    411119.21
3774023.13        0.06701
         411164.21    3774023.13        0.06442                    411209.21
3774023.13        0.06167
         411254.21    3774023.13        0.05884                    411299.21
3774023.13        0.05599
         410264.21    3774068.13        0.04945                    410309.21
3774068.13        0.05262
         410354.21    3774068.13        0.05596                    410399.21
3774068.13        0.05944
         410444.21    3774068.13        0.06302                    410489.21
3774068.13        0.06664
         410534.21    3774068.13        0.07024                    410579.21
3774068.13        0.07373
         410624.21    3774068.13        0.07701                    410669.21
3774068.13        0.07999
         410714.21    3774068.13        0.08254                    410759.21
3774068.13        0.08455
         410804.21    3774068.13        0.08592                    410849.21
3774068.13        0.08656
         410894.21    3774068.13        0.08645                    410939.21
3774068.13        0.08559
         410984.21    3774068.13        0.08403                    411029.21
3774068.13        0.08186
         411074.21    3774068.13        0.07920                    411119.21
3774068.13        0.07616
         411164.21    3774068.13        0.07283                    411209.21
3774068.13        0.06932
         411254.21    3774068.13        0.06573                    411299.21
3774068.13        0.06214
         410264.21    3774113.13        0.05256                    410309.21
3774113.13        0.05623
         410354.21    3774113.13        0.06014                    410399.21
3774113.13        0.06429
         410444.21    3774113.13        0.06861                    410489.21
3774113.13        0.07306
         410534.21    3774113.13        0.07756                    410579.21
3774113.13        0.08202
```

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         410624.21    3774113.13        0.08632                      410669.21
3774113.13        0.09032
         410714.21    3774113.13        0.09387                      410759.21
3774113.13        0.09681
         410804.21    3774113.13        0.09897                      410849.21
3774113.13        0.10020
         410894.21    3774113.13        0.10040                      410939.21
3774113.13        0.09956
         410984.21    3774113.13        0.09773                      411029.21
3774113.13        0.09501
         411074.21    3774113.13        0.09158                      411119.21
3774113.13        0.08761
         411164.21    3774113.13        0.08325                      411209.21
3774113.13        0.07869
         411254.21    3774113.13        0.07404                      411299.21
3774113.13        0.06946
         410264.21    3774158.13        0.05591                      410309.21
3774158.13        0.06016
         410354.21    3774158.13        0.06476                      410399.21
3774158.13        0.06969
         410444.21    3774158.13        0.07491                      410489.21
3774158.13        0.08038
         410534.21    3774158.13        0.08602                      410579.21
3774158.13        0.09173
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 188
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ARROW    ***
                                  INCLUDING SOURCE(S):     L0000083    , L0000084
 , L0000085    , L0000086    , L0000087    ,
                 L0000088    , L0000089    , L0000090    , L0000091    , L0000092
 , L0000093    , L0000094    , L0000095    ,
                 L0000096    , L0000097    , L0000098    , L0000099    , L0000100
 , L0000101    , L0000102    , L0000103    ,
                 L0000104    , L0000105    , L0000106    , L0000107    , L0000108
 , L0000109    , L0000110    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
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Y-COORD (M)	CONC			
410624.21	3774158.13	0.09736	410669.21	3774158.13	0.10276
410714.21	3774158.13	0.10772	410759.21	3774158.13	0.11200
410804.21	3774158.13	0.11537	410849.21	3774158.13	0.11755
410894.21	3774158.13	0.11835	410939.21	3774158.13	0.11767
410984.21	3774158.13	0.11552	411029.21	3774158.13	0.11207
411074.21	3774158.13	0.10754	411119.21	3774158.13	0.10222
411164.21	3774158.13	0.09638	411209.21	3774158.13	0.09030
411254.21	3774158.13	0.08419	411299.21	3774158.13	0.07826
410264.21	3774203.13	0.05950	410309.21	3774203.13	0.06444
410354.21	3774203.13	0.06983	410399.21	3774203.13	0.07570
410444.21	3774203.13	0.08202	410489.21	3774203.13	0.08876
410534.21	3774203.13	0.09584	410579.21	3774203.13	0.10315
410624.21	3774203.13	0.11056	410669.21	3774203.13	0.11786
410714.21	3774203.13	0.12479	410759.21	3774203.13	0.13105
410804.21	3774203.13	0.13627	410849.21	3774203.13	0.14000
410894.21	3774203.13	0.14189	410939.21	3774203.13	0.14165
410984.21	3774203.13	0.13922	411029.21	3774203.13	0.13475
411074.21	3774203.13	0.12862	411119.21	3774203.13	0.12128
411164.21	3774203.13	0.11323	411209.21	3774203.13	0.10493
411254.21	3774203.13	0.09672	411299.21	3774203.13	0.08892
410264.21	3774248.13	0.06338	410309.21	3774248.13	0.06907
410354.21	3774248.13	0.07540	410399.21	3774248.13	0.08239
410444.21	3774248.13	0.09005	410489.21	3774248.13	0.09835
410534.21	3774248.13	0.10725	410579.21		

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3774248.13        0.11665
         410624.21    3774248.13        0.12640                     410669.21
3774248.13        0.13629
         410714.21    3774248.13        0.14604                     410759.21
3774248.13        0.15521
         410804.21    3774248.13        0.16334                     410849.21
3774248.13        0.16966
         410894.21    3774248.13        0.17354                     410939.21
3774248.13        0.17436
         410984.21    3774248.13        0.17179                     411029.21
3774248.13        0.16592
         411074.21    3774248.13        0.15732                     411119.21
3774248.13        0.14682
         411164.21    3774248.13        0.13532                     411209.21
3774248.13        0.12367
         411254.21    3774248.13        0.11239                     411299.21
3774248.13        0.10197
         410264.21    3774293.13        0.06751                     410309.21
3774293.13        0.07409
         410354.21    3774293.13        0.08151                     410399.21
3774293.13        0.08983
         410444.21    3774293.13        0.09910                     410489.21
3774293.13        0.10934
         410534.21    3774293.13        0.12055                     410579.21
3774293.13        0.13265
         410624.21    3774293.13        0.14553                     410669.21
3774293.13        0.15897
         410714.21    3774293.13        0.17277                     410759.21
3774293.13        0.18629
         410804.21    3774293.13        0.19893                     410849.21
3774293.13        0.20963
         410894.21    3774293.13        0.21723                     410939.21
3774293.13        0.22043
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ARROW    ***
                                  INCLUDING SOURCE(S):     L0000083    , L0000084
 , L0000085    , L0000086    , L0000087    ,
                 L0000088    , L0000089    , L0000090    , L0000091    , L0000092
 , L0000093    , L0000094    , L0000095    ,
                 L0000096    , L0000097    , L0000098    , L0000099    , L0000100
 , L0000101    , L0000102    , L0000103    ,
                 L0000104    , L0000105    , L0000106    , L0000107    , L0000108
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, L0000109 , L0000110 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410984.21	3774293.13	0.21826	411029.21	3774293.13	0.21045
411074.21	3774293.13	0.19790	411119.21	3774293.13	0.18217
411164.21	3774293.13	0.16504	411209.21	3774293.13	0.14809
411254.21	3774293.13	0.13224	411299.21	3774293.13	0.11808
410264.21	3774338.13	0.07191	410309.21	3774338.13	0.07949
410354.21	3774338.13	0.08816	410399.21	3774338.13	0.09806
410444.21	3774338.13	0.10928	410489.21	3774338.13	0.12192
410534.21	3774338.13	0.13605	410579.21	3774338.13	0.15166
410624.21	3774338.13	0.16873	410669.21	3774338.13	0.18715
410714.21	3774338.13	0.20666	410759.21	3774338.13	0.22676
410804.21	3774338.13	0.24651	410849.21	3774338.13	0.26475
410894.21	3774338.13	0.27943	410939.21	3774338.13	0.28792
410984.21	3774338.13	0.28782	411029.21	3774338.13	0.27746
411074.21	3774338.13	0.25814	411119.21	3774338.13	0.23308
411164.21	3774338.13	0.20620	411209.21	3774338.13	0.18057
411254.21	3774338.13	0.15774	411299.21	3774338.13	0.13825
410264.21	3774383.13	0.07654	410309.21	3774383.13	0.08525
410354.21	3774383.13	0.09538	410399.21	3774383.13	0.10713
410444.21	3774383.13	0.12070	410489.21	3774383.13	0.13631

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         410534.21    3774383.13        0.15413                      410579.21
3774383.13        0.17431
         410624.21    3774383.13        0.19698                      410669.21
3774383.13        0.22224
         410714.21    3774383.13        0.25000                      410759.21
3774383.13        0.28002
         410804.21    3774383.13        0.31149                      410849.21
3774383.13        0.34286
         410894.21    3774383.13        0.37142                      410939.21
3774383.13        0.39215
         410984.21    3774383.13        0.39898                      411029.21
3774383.13        0.38576
         411074.21    3774383.13        0.35373                      411119.21
3774383.13        0.31026
         411164.21    3774383.13        0.26509                      411209.21
3774383.13        0.22466
         411254.21    3774383.13        0.19102                      411299.21
3774383.13        0.16381
         410264.21    3774428.13        0.08137                      410309.21
3774428.13        0.09135
         410354.21    3774428.13        0.10314                      410399.21
3774428.13        0.11706
         410444.21    3774428.13        0.13346                      410489.21
3774428.13        0.15271
         410534.21    3774428.13        0.17521                      410579.21
3774428.13        0.20136
         410264.21    3774473.13        0.08634                      410309.21
3774473.13        0.09774
         410354.21    3774473.13        0.11141                      410399.21
3774473.13        0.12784
         410444.21    3774473.13        0.14760                      410489.21
3774473.13        0.17133
         410534.21    3774473.13        0.19976                      410579.21
3774473.13        0.23367
         410264.21    3774518.13        0.09138                      410309.21
3774518.13        0.10429
         410354.21    3774518.13        0.12005                      410399.21
3774518.13        0.13936
         410444.21    3774518.13        0.16307                      410489.21
3774518.13        0.19231
         410534.21    3774518.13        0.22817                      410579.21
3774518.13        0.27227
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 190
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROW ***

INCLUDING SOURCE(S): L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	0.09636	410309.21	3774563.13	0.11090
410354.21	3774563.13	0.12894	410399.21	3774563.13	0.15150
410444.21	3774563.13	0.17988	410489.21	3774563.13	0.21573
410534.21	3774563.13	0.26109	410579.21	3774563.13	0.31853
410264.21	3774608.13	0.10116	410309.21	3774608.13	0.11738
410354.21	3774608.13	0.13784	410399.21	3774608.13	0.16396
410444.21	3774608.13	0.19762	410489.21	3774608.13	0.24142
410534.21	3774608.13	0.29861	410579.21	3774608.13	0.37379
410624.21	3774608.13	0.47276	410759.21	3774608.13	1.02788
410804.21	3774608.13	1.39144	410354.21	3774653.13	0.14640
410399.21	3774653.13	0.17636	410444.21	3774653.13	0.21598
410489.21	3774653.13	0.26914	410534.21	3774653.13	0.34134
410579.21	3774653.13	0.44001	410624.21	3774653.13	0.57572
410669.21	3774653.13	0.76447	410714.21	3774653.13	1.03361
410759.21	3774653.13	1.43365	410804.21		

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3774653.13        2.08142
         410354.21    3774698.13        0.15419                        410399.21
3774698.13        0.18795
         410444.21    3774698.13        0.23389                        410489.21
3774698.13        0.29775
         410534.21    3774698.13        0.38818                        410579.21
3774698.13        0.51843
         410624.21    3774698.13        0.70847                        410669.21
3774698.13        0.98931
         410714.21    3774698.13        1.41655                        410759.21
3774698.13        2.11215
         410804.21    3774698.13        3.41526                        410444.21
3774743.13        0.25012
         410489.21    3774743.13        0.32537                        410534.21
3774743.13        0.43746
         410579.21    3774743.13        0.60987                        410624.21
3774743.13        0.88197
         410669.21    3774743.13        1.32065                        410714.21
3774743.13        2.05899
         410759.21    3774743.13        3.45095                        410804.21
3774743.13        6.81423
         410444.21    3774788.13        0.26280                        410489.21
3774788.13        0.34889
         410534.21    3774788.13        0.48453                        410579.21
3774788.13        0.71095
         410624.21    3774788.13        1.11071                        410669.21
3774788.13        1.85275
         410714.21    3774788.13        3.33104                        410759.21
3774788.13        6.94696
         410804.21    3774788.13       23.29668                        410489.21
3774833.13        0.36374
         410534.21    3774833.13        0.51993                        410579.21
3774833.13        0.80615
         410624.21    3774833.13        1.40219                        410669.21
3774833.13        2.82903
         410714.21    3774833.13        6.74383                        410759.21
3774833.13       25.08440
         410489.21    3774878.13        0.36495                        410534.21
3774878.13        0.52958
         410579.21    3774878.13        0.85495                        410624.21
3774878.13        1.67891
         410669.21    3774878.13        4.89064                        410714.21
3774878.13       17.82582
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 191
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAK ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774023.13	0.15842	410309.21	3774023.13	0.17214
410354.21	3774023.13	0.18473	410399.21	3774023.13	0.19570
410444.21	3774023.13	0.20474	410489.21	3774023.13	0.21169
410534.21	3774023.13	0.21633	410579.21	3774023.13	0.21859
410624.21	3774023.13	0.21847	410669.21	3774023.13	0.21594
410714.21	3774023.13	0.21113	410759.21	3774023.13	0.20409
410804.21	3774023.13	0.19507	410849.21	3774023.13	0.18428
410894.21	3774023.13	0.17223	410939.21	3774023.13	0.15943
410984.21	3774023.13	0.14642	411029.21	3774023.13	0.13370
411074.21	3774023.13	0.12158	411119.21	3774023.13	0.11026
411164.21	3774023.13	0.09995	411209.21	3774023.13	0.09075
411254.21	3774023.13	0.08262	411299.21	3774023.13	0.07550
410264.21	3774068.13	0.18936	410309.21	3774068.13	0.20869
410354.21	3774068.13	0.22652	410399.21	3774068.13	0.24206

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         410444.21    3774068.13        0.25482                    410489.21
3774068.13        0.26451
         410534.21    3774068.13        0.27109                    410579.21
3774068.13        0.27438
         410624.21    3774068.13        0.27454                    410669.21
3774068.13        0.27145
         410714.21    3774068.13        0.26534                    410759.21
3774068.13        0.25617
         410804.21    3774068.13        0.24418                    410849.21
3774068.13        0.22949
         410894.21    3774068.13        0.21289                    410939.21
3774068.13        0.19513
         410984.21    3774068.13        0.17708                    411029.21
3774068.13        0.15959
         411074.21    3774068.13        0.14313                    411119.21
3774068.13        0.12816
         411164.21    3774068.13        0.11467                    411209.21
3774068.13        0.10305
         411254.21    3774068.13        0.09281                    411299.21
3774068.13        0.08399
         410264.21    3774113.13        0.23099                    410309.21
3774113.13        0.25922
         410354.21    3774113.13        0.28540                    410399.21
3774113.13        0.30790
         410444.21    3774113.13        0.32629                    410489.21
3774113.13        0.33991
         410534.21    3774113.13        0.34903                    410579.21
3774113.13        0.35385
         410624.21    3774113.13        0.35443                    410669.21
3774113.13        0.35066
         410714.21    3774113.13        0.34277                    410759.21
3774113.13        0.33078
         410804.21    3774113.13        0.31450                    410849.21
3774113.13        0.29411
         410894.21    3774113.13        0.27064                    410939.21
3774113.13        0.24519
         410984.21    3774113.13        0.21918                    411029.21
3774113.13        0.19426
         411074.21    3774113.13        0.17131                    411119.21
3774113.13        0.15087
         411164.21    3774113.13        0.13296                    411209.21
3774113.13        0.11804
         411254.21    3774113.13        0.10498                    411299.21
3774113.13        0.09414
         410264.21    3774158.13        0.28936                    410309.21
3774158.13        0.33238
         410354.21    3774158.13        0.37235                    410399.21
3774158.13        0.40635
         410444.21    3774158.13        0.43309                    410489.21
3774158.13        0.45262
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAK ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410624.21	3774158.13	0.47289	410669.21	3774158.13	0.46829
410714.21	3774158.13	0.45811	410759.21	3774158.13	0.44198
410804.21	3774158.13	0.41972	410849.21	3774158.13	0.39083
410894.21	3774158.13	0.35644	410939.21	3774158.13	0.31838
410984.21	3774158.13	0.27927	411029.21	3774158.13	0.24226
411074.21	3774158.13	0.20886	411119.21	3774158.13	0.18023
411164.21	3774158.13	0.15607	411209.21	3774158.13	0.13633
411254.21	3774158.13	0.11977	411299.21	3774158.13	0.10623
410264.21	3774203.13	0.37548	410309.21	3774203.13	0.44580
410354.21	3774203.13	0.51057	410399.21		

3774203.13 0.56386
410444.21 3774203.13 0.60397 410489.21
3774203.13 0.63195
410534.21 3774203.13 0.64945 410579.21
3774203.13 0.65844
410624.21 3774203.13 0.65987 410669.21
3774203.13 0.65366
410714.21 3774203.13 0.63968 410759.21
3774203.13 0.61776
410804.21 3774203.13 0.58669 410849.21
3774203.13 0.54417
410894.21 3774203.13 0.49170 410939.21
3774203.13 0.43157
410984.21 3774203.13 0.36944 411029.21
3774203.13 0.31091
411074.21 3774203.13 0.26037 411119.21
3774203.13 0.21876
411164.21 3774203.13 0.18545 411209.21
3774203.13 0.15902
411254.21 3774203.13 0.13750 411299.21
3774203.13 0.12057
410264.21 3774248.13 0.51141 410309.21
3774248.13 0.63930
410354.21 3774248.13 0.75450 410399.21
3774248.13 0.84286
410444.21 3774248.13 0.90415 410489.21
3774248.13 0.94386
410534.21 3774248.13 0.96730 410579.21
3774248.13 0.97809
410624.21 3774248.13 0.97782 410669.21
3774248.13 0.96819
410714.21 3774248.13 0.94932 410759.21
3774248.13 0.91760
410804.21 3774248.13 0.87426 410849.21
3774248.13 0.80982
410894.21 3774248.13 0.72559 410939.21
3774248.13 0.62338
410984.21 3774248.13 0.51446 411029.21
3774248.13 0.41435
411074.21 3774248.13 0.33268 411119.21
3774248.13 0.27000
411164.21 3774248.13 0.22254 411209.21
3774248.13 0.18718
411254.21 3774248.13 0.15902 411299.21
3774248.13 0.13748
410264.21 3774293.13 0.75020 410309.21
3774293.13 1.02717
410354.21 3774293.13 1.26522 410399.21
3774293.13 1.42182
410444.21 3774293.13 1.51475 410489.21

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3774293.13        1.56737
         410534.21    3774293.13        1.59470                      410579.21
3774293.13        1.60291
         410624.21    3774293.13        1.59615                      410669.21
3774293.13        1.57318
         410714.21    3774293.13        1.54786                      410759.21
3774293.13        1.49953
         410804.21    3774293.13        1.43233                      410849.21
3774293.13        1.33133
         410894.21    3774293.13        1.18653                      410939.21
3774293.13        0.99166
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View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 193
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LIVEOAK  ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410984.21    3774293.13        0.77215                      411029.21
3774293.13        0.57779
         411074.21    3774293.13        0.43610                      411119.21
3774293.13        0.33821
         411164.21    3774293.13        0.26947                      411209.21
3774293.13        0.22100
         411254.21    3774293.13        0.18440                      411299.21
3774293.13        0.15701
         410264.21    3774338.13        1.24527                      410309.21
3774338.13        2.10299
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         410354.21    3774338.13        2.73552                    410399.21
3774338.13        3.02139
         410444.21    3774338.13        3.14053                    410489.21
3774338.13        3.18340
         410534.21    3774338.13        3.18668                    410579.21
3774338.13        3.16310
         410624.21    3774338.13        3.12187                    410669.21
3774338.13        3.06824
         410714.21    3774338.13        2.99971                    410759.21
3774338.13        2.91178
         410804.21    3774338.13        2.78379                    410849.21
3774338.13        2.61114
         410894.21    3774338.13        2.34281                    410939.21
3774338.13        1.89413
         410984.21    3774338.13        1.31244                    411029.21
3774338.13        0.85016
         411074.21    3774338.13        0.58175                    411119.21
3774338.13        0.42475
         411164.21    3774338.13        0.32577                    411209.21
3774338.13        0.25967
         411254.21    3774338.13        0.21262                    411299.21
3774338.13        0.17819
         410264.21    3774383.13        2.38967                    410309.21
3774383.13        9.25743
         410354.21    3774383.13       11.54125                    410399.21
3774383.13       11.61803
         410444.21    3774383.13       11.36077                    410489.21
3774383.13       10.98997
         410534.21    3774383.13       10.60362                    410579.21
3774383.13       10.22148
         410624.21    3774383.13        9.84780                    410669.21
3774383.13        9.47236
         410714.21    3774383.13        9.10259                    410759.21
3774383.13        8.72872
         410804.21    3774383.13        8.33699                    410849.21
3774383.13        7.86338
         410894.21    3774383.13        7.22755                    410939.21
3774383.13        5.81147
         410984.21    3774383.13        2.82055                    411029.21
3774383.13        1.27411
         411074.21    3774383.13        0.75685                    411119.21
3774383.13        0.51836
         411164.21    3774383.13        0.38355                    411209.21
3774383.13        0.29812
         411254.21    3774383.13        0.24018                    411299.21
3774383.13        0.19871
         410264.21    3774428.13        2.42017                    410309.21
3774428.13        9.65591
         410354.21    3774428.13       13.28711                    410399.21
3774428.13       14.77051
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         410444.21    3774428.13       15.89659                      410489.21
3774428.13       16.98638
         410534.21    3774428.13       18.10146                      410579.21
3774428.13       19.30896
         410264.21    3774473.13        1.28480                      410309.21
3774473.13        2.22258
         410354.21    3774473.13        3.04119                      410399.21
3774473.13        3.54459
         410444.21    3774473.13        3.86626                      410489.21
3774473.13        4.09605
         410534.21    3774473.13        4.27890                      410579.21
3774473.13        4.43878
         410264.21    3774518.13        0.77731                      410309.21
3774518.13        1.07979
         410354.21    3774518.13        1.38986                      410399.21
3774518.13        1.64146
         410444.21    3774518.13        1.81781                      410489.21
3774518.13        1.97102
         410534.21    3774518.13        2.06496                      410579.21
3774518.13        2.15044
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View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       11:33:01

                                  PAGE 194
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LIVEOAK  ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         410264.21    3774563.13        0.52902                      410309.21
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3774563.13 0.67481
410354.21 3774563.13 0.81967 410399.21
3774563.13 0.95475
410444.21 3774563.13 1.06761 410489.21
3774563.13 1.15939
410534.21 3774563.13 1.23159 410579.21
3774563.13 1.28616
410264.21 3774608.13 0.38915 410309.21
3774608.13 0.47181
410354.21 3774608.13 0.55161 410399.21
3774608.13 0.62769
410444.21 3774608.13 0.69498 410489.21
3774608.13 0.75639
410534.21 3774608.13 0.80432 410579.21
3774608.13 0.84737
410624.21 3774608.13 0.87963 410759.21
3774608.13 0.90079
410804.21 3774608.13 0.87835 410354.21
3774653.13 0.40109
410399.21 3774653.13 0.45095 410444.21
3774653.13 0.49520
410489.21 3774653.13 0.53503 410534.21
3774653.13 0.57130
410579.21 3774653.13 0.59976 410624.21
3774653.13 0.61979
410669.21 3774653.13 0.63152 410714.21
3774653.13 0.63929
410759.21 3774653.13 0.63537 410804.21
3774653.13 0.62173
410354.21 3774698.13 0.30673 410399.21
3774698.13 0.33832
410444.21 3774698.13 0.36836 410489.21
3774698.13 0.39646
410534.21 3774698.13 0.42109 410579.21
3774698.13 0.44206
410624.21 3774698.13 0.45753 410669.21
3774698.13 0.46687
410714.21 3774698.13 0.47039 410759.21
3774698.13 0.46689
410804.21 3774698.13 0.45774 410444.21
3774743.13 0.28507
410489.21 3774743.13 0.30475 410534.21
3774743.13 0.32223
410579.21 3774743.13 0.33698 410624.21
3774743.13 0.34879
410669.21 3774743.13 0.35636 410714.21
3774743.13 0.35947
410759.21 3774743.13 0.35793 410804.21
3774743.13 0.35122
410444.21 3774788.13 0.22731 410489.21

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3774788.13        0.24142
         410534.21    3774788.13        0.25384                      410579.21
3774788.13        0.26450
         410624.21    3774788.13        0.27318                      410669.21
3774788.13        0.27928
         410714.21    3774788.13        0.28196                      410759.21
3774788.13        0.28070
         410804.21    3774788.13        0.27493                      410489.21
3774833.13        0.19576
         410534.21    3774833.13        0.20474                      410579.21
3774833.13        0.21261
         410624.21    3774833.13        0.21896                      410669.21
3774833.13        0.22356
         410714.21    3774833.13        0.22508                      410759.21
3774833.13        0.22388
         410489.21    3774878.13        0.16245                      410534.21
3774878.13        0.16868
         410579.21    3774878.13        0.17441                      410624.21
3774878.13        0.17909
         410669.21    3774878.13        0.18260                      410714.21
3774878.13        0.18231
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE 195
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: STEWARTR ***
                                  INCLUDING SOURCE(S):     L0000049    , L0000050
 , L0000051    , L0000052    , L0000053    ,
                 L0000054    , L0000055    , L0000056    , L0000057    , L0000058
 , L0000059    , L0000060    , L0000061    ,
                 L0000062    , L0000063    , L0000064    , L0000065    , L0000066
 , L0000067    , L0000068    , L0000069    ,
                 L0000070    , L0000071    , L0000072    , L0000073    , L0000074
 , L0000075    , L0000076    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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         410264.21    3774023.13        0.08669                    410309.21
3774023.13        0.09367
         410354.21    3774023.13        0.10048                    410399.21
3774023.13        0.10671
         410444.21    3774023.13        0.11194                    410489.21
3774023.13        0.11579
         410534.21    3774023.13        0.11798                    410579.21
3774023.13        0.11844
         410624.21    3774023.13        0.11730                    410669.21
3774023.13        0.11478
         410714.21    3774023.13        0.11117                    410759.21
3774023.13        0.10676
         410804.21    3774023.13        0.10180                    410849.21
3774023.13        0.09650
         410894.21    3774023.13        0.09107                    410939.21
3774023.13        0.08567
         410984.21    3774023.13        0.08040                    411029.21
3774023.13        0.07536
         411074.21    3774023.13        0.07058                    411119.21
3774023.13        0.06609
         411164.21    3774023.13        0.06191                    411209.21
3774023.13        0.05803
         411254.21    3774023.13        0.05446                    411299.21
3774023.13        0.05117
         410264.21    3774068.13        0.09668                    410309.21
3774068.13        0.10583
         410354.21    3774068.13        0.11508                    410399.21
3774068.13        0.12389
         410444.21    3774068.13        0.13160                    410489.21
3774068.13        0.13753
         410534.21    3774068.13        0.14117                    410579.21
3774068.13        0.14226
         410624.21    3774068.13        0.14093                    410669.21
3774068.13        0.13750
         410714.21    3774068.13        0.13248                    410759.21
3774068.13        0.12633
         410804.21    3774068.13        0.11948                    410849.21
3774068.13        0.11225
         410894.21    3774068.13        0.10499                    410939.21
3774068.13        0.09790
         410984.21    3774068.13        0.09111                    411029.21
3774068.13        0.08472
         411074.21    3774068.13        0.07876                    411119.21
3774068.13        0.07324
         411164.21    3774068.13        0.06815                    411209.21
3774068.13        0.06352
         411254.21    3774068.13        0.05925                    411299.21
3774068.13        0.05536
         410264.21    3774113.13        0.10821                    410309.21
3774113.13        0.12025
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         410354.21    3774113.13        0.13291                      410399.21
3774113.13        0.14549
         410444.21    3774113.13        0.15705                      410489.21
3774113.13        0.16639
         410534.21    3774113.13        0.17249                      410579.21
3774113.13        0.17476
         410624.21    3774113.13        0.17320                      410669.21
3774113.13        0.16831
         410714.21    3774113.13        0.16098                      410759.21
3774113.13        0.15209
         410804.21    3774113.13        0.14233                      410849.21
3774113.13        0.13227
         410894.21    3774113.13        0.12239                      410939.21
3774113.13        0.11296
         410984.21    3774113.13        0.10412                      411029.21
3774113.13        0.09595
         411074.21    3774113.13        0.08845                      411119.21
3774113.13        0.08162
         411164.21    3774113.13        0.07539                      411209.21
3774113.13        0.06985
         411254.21    3774113.13        0.06470                      411299.21
3774113.13        0.06014
         410264.21    3774158.13        0.12151                      410309.21
3774158.13        0.13735
         410354.21    3774158.13        0.15477                      410399.21
3774158.13        0.17298
         410444.21    3774158.13        0.19063                      410489.21
3774158.13        0.20580
         410534.21    3774158.13        0.21638                      410579.21
3774158.13        0.22087
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 196
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: STEWARTR ***
                                 INCLUDING SOURCE(S):     L0000049    , L0000050
 , L0000051    , L0000052    , L0000053    ,
                  L0000054    , L0000055    , L0000056    , L0000057    , L0000058
 , L0000059    , L0000060    , L0000061    ,
                  L0000062    , L0000063    , L0000064    , L0000065    , L0000066
 , L0000067    , L0000068    , L0000069    ,
                  L0000070    , L0000071    , L0000072    , L0000073    , L0000074
 , L0000075    , L0000076    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410624.21	3774158.13	0.21889	410669.21	3774158.13	0.21147
410714.21	3774158.13	0.20020	410759.21	3774158.13	0.18671
410804.21	3774158.13	0.17238	410849.21	3774158.13	0.15805
410894.21	3774158.13	0.14438	410939.21	3774158.13	0.13168
410984.21	3774158.13	0.12004	411029.21	3774158.13	0.10951
411074.21	3774158.13	0.10000	411119.21	3774158.13	0.09150
411164.21	3774158.13	0.08387	411209.21	3774158.13	0.07712
411254.21	3774158.13	0.07098	411299.21	3774158.13	0.06559
410264.21	3774203.13	0.13669	410309.21	3774203.13	0.15755
410354.21	3774203.13	0.18161	410399.21	3774203.13	0.20826
410444.21	3774203.13	0.23587	410489.21	3774203.13	0.26138
410534.21	3774203.13	0.28057	410579.21	3774203.13	0.28963
410624.21	3774203.13	0.28711	410669.21	3774203.13	0.27467
410714.21	3774203.13	0.25592	410759.21	3774203.13	0.23444
410804.21	3774203.13	0.21264	410849.21	3774203.13	0.19172
410894.21	3774203.13	0.17253	410939.21	3774203.13	0.15519
410984.21	3774203.13	0.13972	411029.21	3774203.13	0.12599
411074.21	3774203.13	0.11391	411119.21	3774203.13	0.10323
411164.21	3774203.13	0.09381	411209.21	3774203.13	0.08555
411254.21	3774203.13	0.07813	411299.21	3774203.13	0.07182
410264.21	3774248.13	0.15372	410309.21		

3774248.13   0.18110
         410354.21   3774248.13   0.21437   410399.21
3774248.13   0.25375
         410444.21   3774248.13   0.29798   410489.21
3774248.13   0.34287
         410534.21   3774248.13   0.38021   410579.21
3774248.13   0.39969
         410624.21   3774248.13   0.39556   410669.21
3774248.13   0.37192
         410714.21   3774248.13   0.33819   410759.21
3774248.13   0.30194
         410804.21   3774248.13   0.26774   410849.21
3774248.13   0.23655
         410894.21   3774248.13   0.20914   410939.21
3774248.13   0.18517
         410984.21   3774248.13   0.16435   411029.21
3774248.13   0.14633
         411074.21   3774248.13   0.13072   411119.21
3774248.13   0.11715
         411164.21   3774248.13   0.10534   411209.21
3774248.13   0.09542
         411254.21   3774248.13   0.08649   411299.21
3774248.13   0.07897
         410264.21   3774293.13   0.17240   410309.21
3774293.13   0.20792
         410354.21   3774293.13   0.25365   410399.21
3774293.13   0.31199
         410444.21   3774293.13   0.38433   410489.21
3774293.13   0.46757
         410534.21   3774293.13   0.54768   410579.21
3774293.13   0.59549
         410624.21   3774293.13   0.58679   410669.21
3774293.13   0.53285
         410714.21   3774293.13   0.46525   410759.21
3774293.13   0.40051
         410804.21   3774293.13   0.34462   410849.21
3774293.13   0.29709
         410894.21   3774293.13   0.25713   410939.21
3774293.13   0.22359

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: STEWARTR ***
                                  INCLUDING SOURCE(S):   L0000049   , L0000050

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 , L0000051    , L0000052    , L0000053    ,
                 L0000054    , L0000055    , L0000056    , L0000057    , L0000058
 , L0000059    , L0000060    , L0000061    ,
                 L0000062    , L0000063    , L0000064    , L0000065    , L0000066
 , L0000067    , L0000068    , L0000069    ,
                 L0000070    , L0000071    , L0000072    , L0000073    , L0000074
 , L0000075    , L0000076    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410984.21    3774293.13        0.19540                      411029.21
3774293.13        0.17130
         411074.21    3774293.13        0.15103                      411119.21
3774293.13        0.13381
         411164.21    3774293.13        0.11908                      411209.21
3774293.13        0.10689
         411254.21    3774293.13        0.09618                      411299.21
3774293.13        0.08721
         410264.21    3774338.13        0.19215                      410309.21
3774338.13        0.23733
         410354.21    3774338.13        0.29906                      410399.21
3774338.13        0.38456
         410444.21    3774338.13        0.50373                      410489.21
3774338.13        0.66606
         410534.21    3774338.13        0.86322                      410579.21
3774338.13        1.01374
         410624.21    3774338.13        0.98350                      410669.21
3774338.13        0.82574
         410714.21    3774338.13        0.67019                      410759.21
3774338.13        0.54835
         410804.21    3774338.13        0.45304                      410849.21
3774338.13        0.37895
         410894.21    3774338.13        0.32016                      410939.21
3774338.13        0.27240
         410984.21    3774338.13        0.23442                      411029.21
3774338.13        0.20205
         411074.21    3774338.13        0.17559                      411119.21
3774338.13        0.15370
         411164.21    3774338.13        0.13543                      411209.21
3774338.13        0.12031
         411254.21    3774338.13        0.10746                      411299.21
3774338.13        0.09675
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         410264.21    3774383.13        0.21197                     410309.21
3774383.13        0.26788
         410354.21    3774383.13        0.34850                     410399.21
3774383.13        0.46952
         410444.21    3774383.13        0.66019                     410489.21
3774383.13        0.97979
         410534.21    3774383.13        1.54793                     410579.21
3774383.13        2.32750
         410624.21    3774383.13        2.09312                     410669.21
3774383.13        1.40931
         410714.21    3774383.13        1.00883                     410759.21
3774383.13        0.77059
         410804.21    3774383.13        0.61001                     410849.21
3774383.13        0.49233
         410894.21    3774383.13        0.40508                     410939.21
3774383.13        0.33638
         410984.21    3774383.13        0.28381                     411029.21
3774383.13        0.23949
         411074.21    3774383.13        0.20519                     411119.21
3774383.13        0.17737
         411164.21    3774383.13        0.15440                     411209.21
3774383.13        0.13567
         411254.21    3774383.13        0.12030                     411299.21
3774383.13        0.10751
         410264.21    3774428.13        0.23027                     410309.21
3774428.13        0.29684
         410354.21    3774428.13        0.39719                     410399.21
3774428.13        0.55829
         410444.21    3774428.13        0.84006                     410489.21
3774428.13        1.40874
         410534.21    3774428.13        2.97191                     410579.21
3774428.13       13.44892
         410264.21    3774473.13        0.24549                     410309.21
3774473.13        0.32114
         410354.21    3774473.13        0.43858                     410399.21
3774473.13        0.63548
         410444.21    3774473.13        1.00190                     410489.21
3774473.13        1.81483
         410534.21    3774473.13        4.38660                     410579.21
3774473.13       25.77116
         410264.21    3774518.13        0.25561                     410309.21
3774518.13        0.33673
         410354.21    3774518.13        0.46461                     410399.21
3774518.13        0.68251
         410444.21    3774518.13        1.09574                     410489.21
3774518.13        2.03266
         410534.21    3774518.13        4.91198                     410579.21
3774518.13       25.37966
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STEWARTR ***
INCLUDING SOURCE(S): L0000049 , L0000050 , L0000051 , L0000052 , L0000053 ,
L0000054 , L0000055 , L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	0.25954	410309.21	3774563.13	0.34206
410354.21	3774563.13	0.47123	410399.21	3774563.13	0.68992
410444.21	3774563.13	1.10060	410489.21	3774563.13	2.01149
410534.21	3774563.13	4.77988	410579.21	3774563.13	24.02504
410264.21	3774608.13	0.25693	410309.21	3774608.13	0.33622
410354.21	3774608.13	0.45777	410399.21	3774608.13	0.65728
410444.21	3774608.13	1.01489	410489.21	3774608.13	1.75655
410534.21	3774608.13	3.75100	410579.21	3774608.13	14.31054
410624.21	3774608.13	19.19341	410759.21	3774608.13	6.13188
410804.21	3774608.13	3.43579	410354.21	3774653.13	0.42788
410399.21	3774653.13	0.59635	410444.21	3774653.13	0.87724
410489.21	3774653.13	1.38774	410534.21		

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3774653.13        2.42992
         410579.21    3774653.13        4.66542                    410624.21
3774653.13        8.11905
         410669.21    3774653.13       13.41091                    410714.21
3774653.13       19.52716
         410759.21    3774653.13       15.72526                    410804.21
3774653.13        6.11724
         410354.21    3774698.13        0.38780                    410399.21
3774698.13        0.52086
         410444.21    3774698.13        0.72506                    410489.21
3774698.13        1.04973
         410534.21    3774698.13        1.57236                    410579.21
3774698.13        2.37301
         410624.21    3774698.13        3.49057                    410669.21
3774698.13        5.36810
         410714.21    3774698.13       11.01023                    410759.21
3774698.13       17.52152
         410804.21    3774698.13       15.54315                    410444.21
3774743.13        0.58930
         410489.21    3774743.13        0.79571                    410534.21
3774743.13        1.08729
         410579.21    3774743.13        1.48578                    410624.21
3774743.13        2.03267
         410669.21    3774743.13        2.89768                    410714.21
3774743.13        4.67779
         410759.21    3774743.13       10.02785                    410804.21
3774743.13       16.19496
         410444.21    3774788.13        0.47810                    410489.21
3774788.13        0.61333
         410534.21    3774788.13        0.79062                    410579.21
3774788.13        1.02018
         410624.21    3774788.13        1.32331                    410669.21
3774788.13        1.75800
         410714.21    3774788.13        2.46866                    410759.21
3774788.13        3.83577
         410804.21    3774788.13        7.03666                    410489.21
3774833.13        0.48041
         410534.21    3774833.13        0.59365                    410579.21
3774833.13        0.73428
         410624.21    3774833.13        0.90939                    410669.21
3774833.13        1.13482
         410714.21    3774833.13        1.43323                    410759.21
3774833.13        1.82260
         410489.21    3774878.13        0.38264                    410534.21
3774878.13        0.45615
         410579.21    3774878.13        0.54423                    410624.21
3774878.13        0.64742
         410669.21    3774878.13        0.76727                    410714.21
3774878.13        0.89076
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000119 , L0000120 , L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 , L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 ,
L0000140 , L0000141 , L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774023.13	0.10128	410309.21	3774023.13	0.11139
410354.21	3774023.13	0.12188	410399.21	3774023.13	0.13227
410444.21	3774023.13	0.14192	410489.21	3774023.13	0.15013
410534.21	3774023.13	0.15617	410579.21	3774023.13	0.15952
410624.21	3774023.13	0.16001	410669.21	3774023.13	0.15776
410714.21	3774023.13	0.15322	410759.21	3774023.13	0.14686
410804.21	3774023.13	0.13924	410849.21	3774023.13	0.13076
410894.21	3774023.13	0.12188	410939.21	3774023.13	0.11298
410984.21	3774023.13	0.10432	411029.21	3774023.13	0.09613
411074.21	3774023.13	0.08852	411119.21	3774023.13	0.08155
411164.21	3774023.13	0.07522	411209.21	3774023.13	0.06950

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         411254.21    3774023.13        0.06433                    411299.21
3774023.13        0.05972
         410264.21    3774068.13        0.11275                    410309.21
3774068.13        0.12573
         410354.21    3774068.13        0.13968                    410399.21
3774068.13        0.15404
         410444.21    3774068.13        0.16797                    410489.21
3774068.13        0.18038
         410534.21    3774068.13        0.19008                    410579.21
3774068.13        0.19599
         410624.21    3774068.13        0.19762                    410669.21
3774068.13        0.19496
         410714.21    3774068.13        0.18870                    410759.21
3774068.13        0.17964
         410804.21    3774068.13        0.16872                    410849.21
3774068.13        0.15664
         410894.21    3774068.13        0.14425                    410939.21
3774068.13        0.13207
         410984.21    3774068.13        0.12051                    411029.21
3774068.13        0.10982
         411074.21    3774068.13        0.10010                    411119.21
3774068.13        0.09137
         411164.21    3774068.13        0.08358                    411209.21
3774068.13        0.07669
         411254.21    3774068.13        0.07046                    411299.21
3774068.13        0.06496
         410264.21    3774113.13        0.12573                    410309.21
3774113.13        0.14240
         410354.21    3774113.13        0.16099                    410399.21
3774113.13        0.18092
         410444.21    3774113.13        0.20125                    410489.21
3774113.13        0.22027
         410534.21    3774113.13        0.23602                    410579.21
3774113.13        0.24656
         410624.21    3774113.13        0.25050                    410669.21
3774113.13        0.24747
         410714.21    3774113.13        0.23846                    410759.21
3774113.13        0.22500
         410804.21    3774113.13        0.20866                    410849.21
3774113.13        0.19094
         410894.21    3774113.13        0.17318                    410939.21
3774113.13        0.15621
         410984.21    3774113.13        0.14055                    411029.21
3774113.13        0.12646
         411074.21    3774113.13        0.11397                    411119.21
3774113.13        0.10300
         411164.21    3774113.13        0.09331                    411209.21
3774113.13        0.08504
         411254.21    3774113.13        0.07746                    411299.21
3774113.13        0.07103
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000119 , L0000120 , L0000121 , L0000122 , L0000123 ,
L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 , L0000130 , L0000131 ,
L0000132 , L0000133 , L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 ,
L0000140 , L0000141 , L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410624.21	3774158.13	0.32773	410669.21	3774158.13	0.32460
410714.21	3774158.13	0.31097	410759.21	3774158.13	0.28972
410804.21	3774158.13	0.26426	410849.21	3774158.13	0.23731
410894.21	3774158.13	0.21115	410939.21	3774158.13	0.18706
410984.21	3774158.13	0.16558	411029.21	3774158.13	0.14688
411074.21	3774158.13	0.13071	411119.21	3774158.13	0.11685
411164.21	3774158.13	0.10479	411209.21		

3774158.13 0.09463
411254.21 3774158.13 0.08564 411299.21
3774158.13 0.07804
410264.21 3774203.13 0.15652 410309.21
3774203.13 0.18366
410354.21 3774203.13 0.21654 410399.21
3774203.13 0.25547
410444.21 3774203.13 0.29983 410489.21
3774203.13 0.34714
410534.21 3774203.13 0.39233 410579.21
3774203.13 0.42809
410624.21 3774203.13 0.44685 410669.21
3774203.13 0.44422
410714.21 3774203.13 0.42181 410759.21
3774203.13 0.38597
410804.21 3774203.13 0.34399 410849.21
3774203.13 0.30123
410894.21 3774203.13 0.26174 410939.21
3774203.13 0.22695
410984.21 3774203.13 0.19722 411029.21
3774203.13 0.17210
411074.21 3774203.13 0.15107 411119.21
3774203.13 0.13332
411164.21 3774203.13 0.11841 411209.21
3774203.13 0.10591
411254.21 3774203.13 0.09505 411299.21
3774203.13 0.08615
410264.21 3774248.13 0.17401 410309.21
3774248.13 0.20830
410354.21 3774248.13 0.25166 410399.21
3774248.13 0.30598
410444.21 3774248.13 0.37228 410489.21
3774248.13 0.44906
410534.21 3774248.13 0.52973 410579.21
3774248.13 0.60046
410624.21 3774248.13 0.64247 410669.21
3774248.13 0.64253
410714.21 3774248.13 0.60227 410759.21
3774248.13 0.53605
410804.21 3774248.13 0.46236 410849.21
3774248.13 0.39170
410894.21 3774248.13 0.33043 410939.21
3774248.13 0.27938
410984.21 3774248.13 0.23763 411029.21
3774248.13 0.20360
411074.21 3774248.13 0.17583 411119.21
3774248.13 0.15311
411164.21 3774248.13 0.13435 411209.21
3774248.13 0.11932
411254.21 3774248.13 0.10624 411299.21

3774248.13   0.09560
         410264.21   3774293.13   0.19237   410309.21
3774293.13   0.23499
         410354.21   3774293.13   0.29146   410399.21
3774293.13   0.36650
         410444.21   3774293.13   0.46548   410489.21
3774293.13   0.59214
         410534.21   3774293.13   0.74260   410579.21
3774293.13   0.89356
         410624.21   3774293.13   0.99745   410669.21
3774293.13   1.00695
         410714.21   3774293.13   0.92284   410759.21
3774293.13   0.78536
         410804.21   3774293.13   0.64447   410849.21
3774293.13   0.52263
         410894.21   3774293.13   0.42495   410939.21
3774293.13   0.34862

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000119   , L0000120
 , L0000121   , L0000122   , L0000123   ,
                  L0000124   , L0000125   , L0000126   , L0000127   , L0000128
 , L0000129   , L0000130   , L0000131   ,
                  L0000132   , L0000133   , L0000134   , L0000135   , L0000136
 , L0000137   , L0000138   , L0000139   ,
                  L0000140   , L0000141   , L0000142   , L0000143   , L0000144
 , L0000145   , L0000146   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
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- -
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3774293.13   0.24261
         411074.21   3774293.13   0.20617   411119.21
3774293.13   0.17714

411164.21 3774293.13 0.15362 411209.21
3774293.13 0.13503
411254.21 3774293.13 0.11934 411299.21
3774293.13 0.10656
410264.21 3774338.13 0.21076 410309.21
3774338.13 0.26256
410354.21 3774338.13 0.33440 410399.21
3774338.13 0.43595
410444.21 3774338.13 0.58178 410489.21
3774338.13 0.79191
410534.21 3774338.13 1.08497 410579.21
3774338.13 1.44427
410624.21 3774338.13 1.74672 410669.21
3774338.13 1.79720
410714.21 3774338.13 1.56820 410759.21
3774338.13 1.23229
410804.21 3774338.13 0.93462 410849.21
3774338.13 0.71151
410894.21 3774338.13 0.55268 410939.21
3774338.13 0.43735
410984.21 3774338.13 0.35520 411029.21
3774338.13 0.29114
411074.21 3774338.13 0.24306 411119.21
3774338.13 0.20587
411164.21 3774338.13 0.17660 411209.21
3774338.13 0.15342
411254.21 3774338.13 0.13447 411299.21
3774338.13 0.11911
410264.21 3774383.13 0.22801 410309.21
3774383.13 0.28918
410354.21 3774383.13 0.37750 410399.21
3774383.13 0.50973
410444.21 3774383.13 0.71657 410489.21
3774383.13 1.05653
410534.21 3774383.13 1.64082 410579.21
3774383.13 2.64437
410624.21 3774383.13 3.86188 410669.21
3774383.13 4.09619
410714.21 3774383.13 3.17495 410759.21
3774383.13 2.10163
410804.21 3774383.13 1.41512 410849.21
3774383.13 0.99278
410894.21 3774383.13 0.73139 410939.21
3774383.13 0.55585
410984.21 3774383.13 0.43805 411029.21
3774383.13 0.34948
411074.21 3774383.13 0.28676 411119.21
3774383.13 0.23944
411164.21 3774383.13 0.20268 411209.21
3774383.13 0.17399

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         411254.21    3774383.13        0.15123                      411299.21
3774383.13        0.13282
         410264.21    3774428.13        0.24249                      410309.21
3774428.13        0.31206
         410354.21    3774428.13        0.41573                      410399.21
3774428.13        0.57852
         410444.21    3774428.13        0.85254                      410489.21
3774428.13        1.35872
         410534.21    3774428.13        2.45059                      410579.21
3774428.13        5.63482
         410264.21    3774473.13        0.25280                      410309.21
3774473.13        0.32847
         410354.21    3774473.13        0.44340                      410399.21
3774473.13        0.62928
         410444.21    3774473.13        0.95636                      410489.21
3774473.13        1.60723
         410534.21    3774473.13        3.21252                      410579.21
3774473.13        9.81691
         410264.21    3774518.13        0.25725                      410309.21
3774518.13        0.33509
         410354.21    3774518.13        0.45424                      410399.21
3774518.13        0.64815
         410444.21    3774518.13        0.99208                      410489.21
3774518.13        1.68915
         410534.21    3774518.13        3.42266                      410579.21
3774518.13       10.08931
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View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 202
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000119    , L0000120
 , L0000121    , L0000122    , L0000123    ,
                 L0000124    , L0000125    , L0000126    , L0000127    , L0000128
 , L0000129    , L0000130    , L0000131    ,
                 L0000132    , L0000133    , L0000134    , L0000135    , L0000136
 , L0000137    , L0000138    , L0000139    ,
                 L0000140    , L0000141    , L0000142    , L0000143    , L0000144
 , L0000145    , L0000146    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	0.25527	410309.21	3774563.13	0.33138
410354.21	3774563.13	0.44636	410399.21	3774563.13	0.63083
410444.21	3774563.13	0.95068	410489.21	3774563.13	1.57059
410534.21	3774563.13	3.01450	410579.21	3774563.13	7.94337
410264.21	3774608.13	0.24712	410309.21	3774608.13	0.31751
410354.21	3774608.13	0.42116	410399.21	3774608.13	0.58157
410444.21	3774608.13	0.84478	410489.21	3774608.13	1.31338
410534.21	3774608.13	2.23351	410579.21	3774608.13	4.40229
410624.21	3774608.13	9.66153	410759.21	3774608.13	7.62891
410804.21	3774608.13	3.73419	410354.21	3774653.13	0.38359
410399.21	3774653.13	0.51348	410444.21	3774653.13	0.71179
410489.21	3774653.13	1.02736	410534.21	3774653.13	1.54744
410579.21	3774653.13	2.39863	410624.21	3774653.13	3.61145
410669.21	3774653.13	4.78357	410714.21	3774653.13	4.88004
410759.21	3774653.13	3.61297	410804.21	3774653.13	2.47416
410354.21	3774698.13	0.33990	410399.21	3774698.13	0.43887
410444.21	3774698.13	0.57895	410489.21	3774698.13	0.77888
410534.21	3774698.13	1.05974	410579.21	3774698.13	1.42895
410624.21	3774698.13	1.83679	410669.21	3774698.13	2.14382
410714.21	3774698.13	2.17378	410759.21	3774698.13	1.92322
410804.21	3774698.13	1.57554	410444.21	3774743.13	0.46395
410489.21	3774743.13	0.58827	410534.21	3774743.13	0.74324
410579.21	3774743.13	0.92004	410624.21		

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3774743.13        1.08987
         410669.21    3774743.13        1.20497                      410714.21
3774743.13        1.22638
         410759.21    3774743.13        1.15404                      410804.21
3774743.13        1.02640
         410444.21    3774788.13        0.37099                      410489.21
3774788.13        0.44902
         410534.21    3774788.13        0.53800                      410579.21
3774788.13        0.63089
         410624.21    3774788.13        0.71333                      410669.21
3774788.13        0.76754
         410714.21    3774788.13        0.78153                      410759.21
3774788.13        0.75446
         410804.21    3774788.13        0.69678                      410489.21
3774833.13        0.34806
         410534.21    3774833.13        0.40134                      410579.21
3774833.13        0.45435
         410624.21    3774833.13        0.49964                      410669.21
3774833.13        0.52934
         410714.21    3774833.13        0.53660                      410759.21
3774833.13        0.52243
         410489.21    3774878.13        0.27596                      410534.21
3774878.13        0.30841
         410579.21    3774878.13        0.34032                      410624.21
3774878.13        0.36716
         410669.21    3774878.13        0.38536                      410714.21
3774878.13        0.38589
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View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 203
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774023.13	0.39297	410309.21	3774023.13	0.42652
410354.21	3774023.13	0.45925	410399.21	3774023.13	0.48978
410444.21	3774023.13	0.51665	410489.21	3774023.13	0.53862
410534.21	3774023.13	0.55436	410579.21	3774023.13	0.56318
410624.21	3774023.13	0.56492	410669.21	3774023.13	0.55983
410714.21	3774023.13	0.54870	410759.21	3774023.13	0.53226
410804.21	3774023.13	0.51150	410849.21	3774023.13	0.48722
410894.21	3774023.13	0.46058	410939.21	3774023.13	0.43265
410984.21	3774023.13	0.40440	411029.21	3774023.13	0.37669
411074.21	3774023.13	0.35007	411119.21	3774023.13	0.32492
411164.21	3774023.13	0.30149	411209.21	3774023.13	0.27995
411254.21	3774023.13	0.26026	411299.21	3774023.13	0.24237
410264.21	3774068.13	0.44824	410309.21	3774068.13	0.49287
410354.21	3774068.13	0.53723	410399.21	3774068.13	0.57943
410444.21	3774068.13	0.61741	410489.21	3774068.13	0.64906
410534.21	3774068.13	0.67258	410579.21	3774068.13	0.68636
410624.21	3774068.13	0.69010	410669.21	3774068.13	0.68389
410714.21	3774068.13	0.66906	410759.21	3774068.13	0.64669
410804.21	3774068.13	0.61829	410849.21	3774068.13	0.58495
410894.21	3774068.13	0.54858	410939.21	3774068.13	0.51068
410984.21	3774068.13	0.47274	411029.21	3774068.13	0.43600
411074.21	3774068.13	0.40119	411119.21	3774068.13	0.36893

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         411164.21    3774068.13        0.33922                      411209.21
3774068.13        0.31258
         411254.21    3774068.13        0.28825                      411299.21
3774068.13        0.26645
         410264.21    3774113.13        0.51750                      410309.21
3774113.13        0.57811
         410354.21    3774113.13        0.63945                      410399.21
3774113.13        0.69860
         410444.21    3774113.13        0.75319                      410489.21
3774113.13        0.79963
         410534.21    3774113.13        0.83510                      410579.21
3774113.13        0.85719
         410624.21    3774113.13        0.86445                      410669.21
3774113.13        0.85676
         410714.21    3774113.13        0.83608                      410759.21
3774113.13        0.80468
         410804.21    3774113.13        0.76446                      410849.21
3774113.13        0.71752
         410894.21    3774113.13        0.66662                      410939.21
3774113.13        0.61393
         410984.21    3774113.13        0.56157                      411029.21
3774113.13        0.51168
         411074.21    3774113.13        0.46531                      411119.21
3774113.13        0.42310
         411164.21    3774113.13        0.38490                      411209.21
3774113.13        0.35162
         411254.21    3774113.13        0.32119                      411299.21
3774113.13        0.29477
         410264.21    3774158.13        0.60710                      410309.21
3774158.13        0.69155
         410354.21    3774158.13        0.77829                      410399.21
3774158.13        0.86328
         410444.21    3774158.13        0.94275                      410489.21
3774158.13        1.01265
         410534.21    3774158.13        1.06789                      410579.21
3774158.13        1.10388
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 204
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
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                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410624.21    3774158.13        1.11687                      410669.21
3774158.13        1.10710
         410714.21    3774158.13        1.07699                      410759.21
3774158.13        1.03041
         410804.21    3774158.13        0.97173                      410849.21
3774158.13        0.90373
         410894.21    3774158.13        0.83032                      410939.21
3774158.13        0.75480
         410984.21    3774158.13        0.68041                      411029.21
3774158.13        0.61071
         411074.21    3774158.13        0.54710                      411119.21
3774158.13        0.49080
         411164.21    3774158.13        0.44111                      411209.21
3774158.13        0.39839
         411254.21    3774158.13        0.36058                      411299.21
3774158.13        0.32812
         410264.21    3774203.13        0.72819                      410309.21
3774203.13        0.85144
         410354.21    3774203.13        0.97854                      410399.21
3774203.13        1.10330
         410444.21    3774203.13        1.22169                      410489.21
3774203.13        1.32923
         410534.21    3774203.13        1.41819                      410579.21
3774203.13        1.47931
         410624.21    3774203.13        1.50439                      410669.21
3774203.13        1.49041
         410714.21    3774203.13        1.44219                      410759.21
3774203.13        1.36922
         410804.21    3774203.13        1.27960                      410849.21
3774203.13        1.17712
         410894.21    3774203.13        1.06785                      410939.21
3774203.13        0.95536
         410984.21    3774203.13        0.84561                      411029.21
3774203.13        0.74375
         411074.21    3774203.13        0.65396                      411119.21
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3774203.13        0.57660
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3774203.13        0.45541
         411254.21    3774203.13        0.40740                    411299.21
3774203.13        0.36747
         410264.21    3774248.13        0.90252                    410309.21
3774248.13        1.09778
         410354.21    3774248.13        1.29593                    410399.21
3774248.13        1.48498
         410444.21    3774248.13        1.66446                    410489.21
3774248.13        1.83414
         410534.21    3774248.13        1.98449                    410579.21
3774248.13        2.09489
         410624.21    3774248.13        2.14224                    410669.21
3774248.13        2.11892
         410714.21    3774248.13        2.03582                    410759.21
3774248.13        1.91080
         410804.21    3774248.13        1.76770                    410849.21
3774248.13        1.60772
         410894.21    3774248.13        1.43870                    410939.21
3774248.13        1.26230
         410984.21    3774248.13        1.08823                    411029.21
3774248.13        0.93021
         411074.21    3774248.13        0.79654                    411119.21
3774248.13        0.68708
         411164.21    3774248.13        0.59755                    411209.21
3774248.13        0.52558
         411254.21    3774248.13        0.46416                    411299.21
3774248.13        0.41401
         410264.21    3774293.13        1.18248                    410309.21
3774293.13        1.54417
         410354.21    3774293.13        1.89184                    410399.21
3774293.13        2.19014
         410444.21    3774293.13        2.46365                    410489.21
3774293.13        2.73641
         410534.21    3774293.13        3.00553                    410579.21
3774293.13        3.22461
         410624.21    3774293.13        3.32592                    410669.21
3774293.13        3.27195
         410714.21    3774293.13        3.10871                    410759.21
3774293.13        2.87170
         410804.21    3774293.13        2.62035                    410849.21
3774293.13        2.36068
         410894.21    3774293.13        2.08584                    410939.21
3774293.13        1.78430
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View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***       11:33:01
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410984.21	3774293.13	1.47534	411029.21	3774293.13	1.20214
411074.21	3774293.13	0.99121	411119.21	3774293.13	0.83132
411164.21	3774293.13	0.70720	411209.21	3774293.13	0.61101
411254.21	3774293.13	0.53216	411299.21	3774293.13	0.46886
410264.21	3774338.13	1.72010	410309.21	3774338.13	2.68237
410354.21	3774338.13	3.45714	410399.21	3774338.13	3.93996
410444.21	3774338.13	4.33532	410489.21	3774338.13	4.76329
410534.21	3774338.13	5.27091	410579.21	3774338.13	5.77278
410624.21	3774338.13	6.02082	410669.21	3774338.13	5.87833
410714.21	3774338.13	5.44475	410759.21	3774338.13	4.91918
410804.21	3774338.13	4.41796	410849.21	3774338.13	3.96635
410894.21	3774338.13	3.49508	410939.21	3774338.13	2.89180
410984.21	3774338.13	2.18988	411029.21	3774338.13	1.62081

411074.21 3774338.13 1.25854 411119.21
3774338.13 1.01739
411164.21 3774338.13 0.84401 411209.21
3774338.13 0.71398
411254.21 3774338.13 0.61230 411299.21
3774338.13 0.53231
410264.21 3774383.13 2.90618 410309.21
3774383.13 9.89975
410354.21 3774383.13 12.36262 410399.21
3774383.13 12.70441
410444.21 3774383.13 12.85823 410489.21
3774383.13 13.16259
410534.21 3774383.13 13.94651 410579.21
3774383.13 15.36767
410624.21 3774383.13 15.99978 410669.21
3774383.13 15.20009
410714.21 3774383.13 13.53635 410759.21
3774383.13 11.88096
410804.21 3774383.13 10.67360 410849.21
3774383.13 9.69135
410894.21 3774383.13 8.73544 410939.21
3774383.13 7.09586
410984.21 3774383.13 3.94139 411029.21
3774383.13 2.24884
411074.21 3774383.13 1.60253 411119.21
3774383.13 1.24543
411164.21 3774383.13 1.00573 411209.21
3774383.13 0.83244
411254.21 3774383.13 0.70273 411299.21
3774383.13 0.60286
410264.21 3774428.13 2.97429 410309.21
3774428.13 10.35616
410354.21 3774428.13 14.20317 410399.21
3774428.13 16.02438
410444.21 3774428.13 17.72265 410489.21
3774428.13 19.90655
410534.21 3774428.13 23.69916 410579.21
3774428.13 38.59406
410264.21 3774473.13 1.86944 410309.21
3774473.13 2.96992
410354.21 3774473.13 4.03457 410399.21
3774473.13 4.93719
410444.21 3774473.13 5.97213 410489.21
3774473.13 7.68945
410534.21 3774473.13 12.07777 410579.21
3774473.13 40.26052
410264.21 3774518.13 1.38155 410309.21
3774518.13 1.85589
410354.21 3774518.13 2.42876 410399.21
3774518.13 3.11147

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	1.14019	410309.21	3774563.13	1.45915
410354.21	3774563.13	1.86620	410399.21	3774563.13	2.42700
410444.21	3774563.13	3.29877	410489.21	3774563.13	4.95721
410534.21	3774563.13	9.28706	410579.21	3774563.13	33.57309
410264.21	3774608.13	0.99436	410309.21	3774608.13	1.24292
410354.21	3774608.13	1.56838	410399.21	3774608.13	2.03050
410444.21	3774608.13	2.75228	410489.21	3774608.13	4.06773
410534.21	3774608.13	7.08743	410579.21	3774608.13	19.93400
410624.21	3774608.13	30.20733	410759.21		

3774608.13 15.68946
410804.21 3774608.13 9.43978 410354.21
3774653.13 1.35896
410399.21 3774653.13 1.73714 410444.21
3774653.13 2.30020
410489.21 3774653.13 3.21927 410534.21
3774653.13 4.88999
410579.21 3774653.13 8.10381 410624.21
3774653.13 12.92602
410669.21 3774653.13 19.59047 410714.21
3774653.13 26.08010
410759.21 3774653.13 21.40725 410804.21
3774653.13 11.29456
410354.21 3774698.13 1.18862 410399.21
3774698.13 1.48600
410444.21 3774698.13 1.90628 410489.21
3774698.13 2.52282
410534.21 3774698.13 3.44137 410579.21
3774698.13 4.76245
410624.21 3774698.13 6.49336 410669.21
3774698.13 8.96809
410714.21 3774698.13 15.07096 410759.21
3774698.13 22.02378
410804.21 3774698.13 20.99168 410444.21
3774743.13 1.58844
410489.21 3774743.13 2.01411 410534.21
3774743.13 2.59022
410579.21 3774743.13 3.35268 410624.21
3774743.13 4.35330
410669.21 3774743.13 5.77966 410714.21
3774743.13 8.32263
410759.21 3774743.13 14.99076 410804.21
3774743.13 24.38682
410444.21 3774788.13 1.33919 410489.21
3774788.13 1.65266
410534.21 3774788.13 2.06699 410579.21
3774788.13 2.62652
410624.21 3774788.13 3.42053 410669.21
3774788.13 4.65757
410714.21 3774788.13 6.86318 410759.21
3774788.13 11.81789
410804.21 3774788.13 31.30505 410489.21
3774833.13 1.38797
410534.21 3774833.13 1.71967 410579.21
3774833.13 2.20740
410624.21 3774833.13 3.03018 410669.21
3774833.13 4.71675
410714.21 3774833.13 8.93874 410759.21
3774833.13 27.65331
410489.21 3774878.13 1.18600 410534.21

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ARROW   ***
                                  INCLUDING SOURCE(S):   L0000083   , L0000084
 , L0000085   , L0000086   , L0000087   ,
                 L0000088   , L0000089   , L0000090   , L0000091   , L0000092
 , L0000093   , L0000094   , L0000095   ,
                 L0000096   , L0000097   , L0000098   , L0000099   , L0000100
 , L0000101   , L0000102   , L0000103   ,
                 L0000104   , L0000105   , L0000106   , L0000107   , L0000108
 , L0000109   , L0000110   , . . .   ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410264.21   3774023.13   3.62441 (16120908)   410309.21
 3774023.13   3.81101 (16120908)
        410354.21   3774023.13   4.41467 (12021515)   410399.21
 3774023.13   5.67001 (12021515)
        410444.21   3774023.13   6.95808 (12021515)   410489.21
 3774023.13   8.18246 (12021515)
        410534.21   3774023.13   9.26923 (12021515)   410579.21
 3774023.13   10.15835 (12021515)
        410624.21   3774023.13   10.80002 (12021515)   410669.21
 3774023.13   11.13692 (12021515)
        410714.21   3774023.13   11.07375 (12021515)   410759.21
 3774023.13   10.50838 (12021515)
        410804.21   3774023.13   9.36847 (12021515)   410849.21
 3774023.13   7.71062 (12021515)
        410894.21   3774023.13   6.16482 (12022715)   410939.21
 3774023.13   5.95993 (16120908)

```
       410984.21   3774023.13        5.93034  (16120908)              411029.21
3774023.13        5.86019  (16120908)
       411074.21   3774023.13        5.75254  (16120908)              411119.21
3774023.13        5.61159  (16120908)
       411164.21   3774023.13        5.44182  (16120908)              411209.21
3774023.13        5.24879  (16120908)
       411254.21   3774023.13        5.03904  (16120908)              411299.21
3774023.13        4.81875  (16120908)
       410264.21   3774068.13        3.84679  (16120908)              410309.21
3774068.13        4.06031  (16120908)
       410354.21   3774068.13        4.28315  (16120908)              410399.21
3774068.13        5.52285  (12021515)
       410444.21   3774068.13        6.92969  (12021515)              410489.21
3774068.13        8.30760  (12021515)
       410534.21   3774068.13        9.55933  (12021515)              410579.21
3774068.13       10.62463  (12021515)
       410624.21   3774068.13       11.45117  (12021515)              410669.21
3774068.13       11.99516  (12021515)
       410714.21   3774068.13       12.15786  (12021515)              410759.21
3774068.13       11.81169  (12021515)
       410804.21   3774068.13       10.82102  (12021515)              410849.21
3774068.13        9.16914  (12021515)
       410894.21   3774068.13        7.01446  (12021515)              410939.21
3774068.13        6.66768  (16120908)
       410984.21   3774068.13        6.63290  (16120908)              411029.21
3774068.13        6.54619  (16120908)
       411074.21   3774068.13        6.41180  (16120908)              411119.21
3774068.13        6.23434  (16120908)
       411164.21   3774068.13        6.02250  (16120908)              411209.21
3774068.13        5.78195  (16120908)
       411254.21   3774068.13        5.52404  (16120908)              411299.21
3774068.13        5.25559  (16120908)
       410264.21   3774113.13        4.08685  (16120908)              410309.21
3774113.13        4.32964  (16120908)
       410354.21   3774113.13        4.58407  (16120908)              410399.21
3774113.13        5.33134  (12021515)
       410444.21   3774113.13        6.85746  (12021515)              410489.21
3774113.13        8.39900  (12021515)
       410534.21   3774113.13        9.83771  (12021515)              410579.21
3774113.13       11.08931  (12021515)
       410624.21   3774113.13       12.10889  (12021515)              410669.21
3774113.13       12.86756  (12021515)
       410714.21   3774113.13       13.28220  (12021515)              410759.21
3774113.13       13.20449  (12021515)
       410804.21   3774113.13       12.44967  (12021515)              410849.21
3774113.13       10.88885  (12021515)
       410894.21   3774113.13        8.59316  (12021515)              410939.21
3774113.13        7.52007  (16120908)
       410984.21   3774113.13        7.48135  (16120908)              411029.21
3774113.13        7.37396  (16120908)
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       411074.21   3774113.13        7.20328  (16120908)                411119.21
 3774113.13        6.97752  (16120908)
       411164.21   3774113.13        6.70860  (16120908)                411209.21
 3774113.13        6.40478  (16120908)
       411254.21   3774113.13        6.08373  (16120908)                411299.21
 3774113.13        5.75251  (16120908)
       410264.21   3774158.13        4.34015  (16120908)                410309.21
 3774158.13        4.61983  (16120908)
       410354.21   3774158.13        4.91418  (16120908)                410399.21
 3774158.13        5.22603  (16120908)
       410444.21   3774158.13        6.73808  (12021515)                410489.21
 3774158.13        8.45014  (12021515)
       410534.21   3774158.13       10.09144  (12021515)                410579.21
 3774158.13       11.55314  (12021515)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE 208
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ARROW    ***
                                  INCLUDING SOURCE(S):     L0000083    , L0000084
 , L0000085    , L0000086    , L0000087    ,
                 L0000088    , L0000089    , L0000090    , L0000091    , L0000092
 , L0000093    , L0000094    , L0000095    ,
                 L0000096    , L0000097    , L0000098    , L0000099    , L0000100
 , L0000101    , L0000102    , L0000103    ,
                 L0000104    , L0000105    , L0000106    , L0000107    , L0000108
 , L0000109    , L0000110    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       410624.21   3774158.13       12.78793  (12021515)                410669.21
 3774158.13       13.76652  (12021515)
       410714.21   3774158.13       14.44445  (12021515)                410759.21
 3774158.13       14.68925  (12021515)
       410804.21   3774158.13       14.25598  (12021515)                410849.21
 3774158.13       12.90408  (12021515)
       410894.21   3774158.13       10.55511  (12021515)                410939.21
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3774158.13        8.56576  (16120908)
       410984.21   3774158.13        8.52334  (16120908)                411029.21
3774158.13        8.38810  (16120908)
       411074.21   3774158.13        8.16900  (16120908)                411119.21
3774158.13        7.87604  (16120908)
       411164.21   3774158.13        7.52754  (16120908)                411209.21
3774158.13        7.13952  (16120908)
       411254.21   3774158.13        6.73267  (16120908)                411299.21
3774158.13        6.31987  (16120908)
       410264.21   3774203.13        4.60688  (16120908)                410309.21
3774203.13        4.92847  (16120908)
       410354.21   3774203.13        5.27021  (16120908)                410399.21
3774203.13        5.63468  (16120908)
       410444.21   3774203.13        6.55938  (12021515)                410489.21
3774203.13        8.45342  (12021515)
       410534.21   3774203.13       10.32083  (12021515)                410579.21
3774203.13       12.02066  (12021515)
       410624.21   3774203.13       13.47996  (12021515)                410669.21
3774203.13       14.69368  (12021515)
       410714.21   3774203.13       15.65153  (12021515)                410759.21
3774203.13       16.25035  (12021515)
       410804.21   3774203.13       16.23486  (12021515)                410849.21
3774203.13       15.25381  (12021515)
       410894.21   3774203.13       12.99456  (12021515)                410939.21
3774203.13        9.87394  (16120908)
       410984.21   3774203.13        9.82771  (16120908)                411029.21
3774203.13        9.65689  (16120908)
       411074.21   3774203.13        9.36724  (16120908)                411119.21
3774203.13        8.97912  (16120908)
       411164.21   3774203.13        8.51819  (16120908)                411209.21
3774203.13        8.01248  (16120908)
       411254.21   3774203.13        7.49001  (16120908)                411299.21
3774203.13        6.96895  (16120908)
       410264.21   3774248.13        4.89315  (16120908)                410309.21
3774248.13        5.25778  (16120908)
       410354.21   3774248.13        5.65381  (16120908)                410399.21
3774248.13        6.08019  (16120908)
       410444.21   3774248.13        6.53705  (16120908)                410489.21
3774248.13        8.39785  (12021515)
       410534.21   3774248.13       10.51561  (12021515)                410579.21
3774248.13       12.49089  (12021515)
       410624.21   3774248.13       14.22171  (12021515)                410669.21
3774248.13       15.68783  (12021515)
       410714.21   3774248.13       16.91729  (12021515)                410759.21
3774248.13       17.89458  (12021515)
       410804.21   3774248.13       18.37402  (12021515)                410849.21
3774248.13       17.94314  (12021515)
       410894.21   3774248.13       16.00441  (12021515)                410939.21
3774248.13       12.41886  (12021515)
       410984.21   3774248.13       11.49907  (16120908)                411029.21
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROW ***
INCLUDING SOURCE(S): L0000083 , L0000084 , L0000085 , L0000086 , L0000087 ,
L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 ,
L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)

- -
410984.21 3774293.13 13.70555 (16120908) 411029.21
3774293.13 13.41970 (16120908)
411074.21 3774293.13 12.87419 (16120908) 411119.21
3774293.13 12.12540 (16120908)
411164.21 3774293.13 11.25118 (16120908) 411209.21
3774293.13 10.32598 (16120908)
411254.21 3774293.13 9.41662 (16120908) 411299.21
3774293.13 8.55819 (16120908)
410264.21 3774338.13 5.50740 (16120908) 410309.21
3774338.13 5.98281 (16120908)
410354.21 3774338.13 6.50701 (16120908) 410399.21
3774338.13 7.08762 (16120908)
410444.21 3774338.13 7.72827 (16120908) 410489.21
3774338.13 8.43056 (16120908)
410534.21 3774338.13 10.75556 (12021515) 410579.21
3774338.13 13.43069 (12021515)
410624.21 3774338.13 15.84993 (12021515) 410669.21
3774338.13 17.93467 (12021515)
410714.21 3774338.13 19.77386 (12021515) 410759.21
3774338.13 21.50435 (12021515)
410804.21 3774338.13 23.16614 (12021515) 410849.21
3774338.13 24.36473 (12021515)
410894.21 3774338.13 24.15835 (12021515) 410939.21
3774338.13 21.18831 (12021515)
410984.21 3774338.13 16.73371 (16120908) 411029.21
3774338.13 16.35926 (16120908)
411074.21 3774338.13 15.56366 (16120908) 411119.21
3774338.13 14.45140 (16120908)
411164.21 3774338.13 13.17370 (16120908) 411209.21
3774338.13 11.86948 (16120908)
411254.21 3774338.13 10.63529 (16120908) 411299.21
3774338.13 9.51553 (16120908)
410264.21 3774383.13 5.83054 (16120908) 410309.21
3774383.13 6.37012 (16120908)
410354.21 3774383.13 6.97359 (16120908) 410399.21
3774383.13 7.65045 (16120908)
410444.21 3774383.13 8.40824 (16120908) 410489.21
3774383.13 9.24978 (16120908)
410534.21 3774383.13 10.75719 (12021515) 410579.21
3774383.13 13.87721 (12021515)
410624.21 3774383.13 16.77075 (12021515) 410669.21
3774383.13 19.27974 (12021515)
410714.21 3774383.13 21.50322 (12021515) 410759.21
3774383.13 23.63294 (12021515)
410804.21 3774383.13 25.85865 (12021515) 410849.21
3774383.13 28.06496 (12021515)
410894.21 3774383.13 29.41596 (12021515) 410939.21
3774383.13 27.95567 (12021515)

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       410984.21   3774383.13       21.49108  (12021515)               411029.21
 3774383.13       20.62830  (16120908)
       411074.21   3774383.13       19.39314  (16120908)               411119.21
 3774383.13       17.62555  (16120908)
       411164.21   3774383.13       15.65940  (16120908)               411209.21
 3774383.13       13.75588  (16120908)
       411254.21   3774383.13       12.05049  (16120908)               411299.21
 3774383.13       10.65841  (12042315)
       410264.21   3774428.13        6.16392  (16120908)               410309.21
 3774428.13        6.77259  (16120908)
       410354.21   3774428.13        7.46387  (16120908)               410399.21
 3774428.13        8.24921  (16120908)
       410444.21   3774428.13        9.14075  (16120908)               410489.21
 3774428.13       10.15456  (16120908)
       410534.21   3774428.13       11.30160  (16120908)               410579.21
 3774428.13       14.28112  (12021515)
       410264.21   3774473.13        6.49277  (16120908)               410309.21
 3774473.13        7.17650  (16120908)
       410354.21   3774473.13        7.96540  (16120908)               410399.21
 3774473.13        8.87484  (16120908)
       410444.21   3774473.13        9.92668  (16120908)               410489.21
 3774473.13       11.14216  (16120908)
       410534.21   3774473.13       12.54556  (16120908)               410579.21
 3774473.13       14.61089  (12021515)
       410264.21   3774518.13        6.82127  (16120908)               410309.21
 3774518.13        7.58987  (16120908)
       410354.21   3774518.13        8.48328  (16120908)               410399.21
 3774518.13        9.53210  (16120908)
       410444.21   3774518.13       10.77061  (16120908)               410489.21
 3774518.13       12.21704  (16120908)
       410534.21   3774518.13       13.94007  (16120908)               410579.21
 3774518.13       15.96029  (16120908)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ARROW    ***
                                  INCLUDING SOURCE(S):     L0000083    , L0000084
 , L0000085    , L0000086    , L0000087    ,
                 L0000088    , L0000089    , L0000090    , L0000091    , L0000092
 , L0000093    , L0000094    , L0000095    ,
                 L0000096    , L0000097    , L0000098    , L0000099    , L0000100
 , L0000101    , L0000102    , L0000103    ,
                 L0000104    , L0000105    , L0000106    , L0000107    , L0000108
 , L0000109    , L0000110    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774563.13	7.13476	(16120908)	410309.21	3774563.13	7.98487	(16120908)
410354.21	3774563.13	8.99392	(16120908)	410399.21	3774563.13	10.19425	(16120908)
410444.21	3774563.13	11.63344	(16120908)	410489.21	3774563.13	13.36455	(16120908)
410534.21	3774563.13	15.45446	(16120908)	410579.21	3774563.13	17.98465	(16120908)
410264.21	3774608.13	7.42193	(16120908)	410309.21	3774608.13	8.35600	(16120908)
410354.21	3774608.13	9.48381	(16120908)	410399.21	3774608.13	10.84951	(16120908)
410444.21	3774608.13	12.51976	(16120908)	410489.21	3774608.13	14.57051	(16120908)
410534.21	3774608.13	17.11688	(16120908)	410579.21	3774608.13	20.27345	(16120908)
410624.21	3774608.13	24.21456	(16120908)	410759.21	3774608.13	44.59990	(12021515)
410804.21	3774608.13	54.51422	(16120908)	410354.21	3774653.13	9.93292	(16120908)
410399.21	3774653.13	11.46063	(16120908)	410444.21	3774653.13	13.37180	(16120908)
410489.21	3774653.13	15.78302	(16120908)	410534.21	3774653.13	18.84937	(16120908)
410579.21	3774653.13	22.79987	(16120908)	410624.21	3774653.13	27.93325	(16120908)
410669.21	3774653.13	34.64896	(16120908)	410714.21	3774653.13	43.67193	(12021515)
410759.21	3774653.13	55.56165	(16120908)	410804.21	3774653.13	73.01516	(16120908)
410354.21	3774698.13	10.31713	(16120908)	410399.21	3774698.13	12.01132	(16120908)
410444.21	3774698.13	14.16997	(16120908)	410489.21	3774698.13	16.96663	(16120908)
410534.21	3774698.13	20.65619	(16120908)	410579.21	3774698.13	25.59199	(16120908)
410624.21	3774698.13	32.29575	(16120908)	410669.21	3774698.13	41.52470	(16120908)
410714.21	3774698.13	54.43855	(16120908)	410759.21			

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 3774698.13       73.35712  (16120908)
       410804.21   3774698.13      103.72979  (16120908)                410444.21
 3774743.13       14.84151  (16120908)
       410489.21   3774743.13       18.03345  (16120908)                410534.21
 3774743.13       22.41263  (16120908)
       410579.21   3774743.13       28.58385  (16120908)                410624.21
 3774743.13       37.47355  (16120908)
       410669.21   3774743.13       50.57161  (16120908)                410714.21
 3774743.13       70.42791  (16120908)
       410759.21   3774743.13      102.76816  (16120908)                410804.21
 3774743.13      166.48833  (16120908)
       410444.21   3774788.13       15.30930  (16120908)                410489.21
 3774788.13       18.85303  (16120908)
       410534.21   3774788.13       23.93284  (16120908)                410579.21
 3774788.13       31.56013  (16120908)
       410624.21   3774788.13       43.56570  (16120908)                410669.21
 3774788.13       63.23831  (16120908)
       410714.21   3774788.13       97.14887  (16120908)                410759.21
 3774788.13      165.25314  (16120908)
       410804.21   3774788.13      400.52363  (16120908)                410489.21
 3774833.13       19.26452  (16120908)
       410534.21   3774833.13       24.90129  (16120908)                410579.21
 3774833.13       33.99461  (16120908)
       410624.21   3774833.13       50.25905  (16120908)                410669.21
 3774833.13       82.73641  (16120908)
       410714.21   3774833.13      155.76970  (16120908)                410759.21
 3774833.13      416.98306  (16120908)
       410489.21   3774878.13       19.09482  (16120908)                410534.21
 3774878.13       24.89685  (16120908)
       410579.21   3774878.13       34.78948  (16120908)                410624.21
 3774878.13       55.24115  (16120908)
       410669.21   3774878.13      115.39730  (16120908)                410714.21
 3774878.13      302.60249  (16120908)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 211
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  LIVEOAK  ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
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, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774023.13	14.18348	(12021515)	410309.21	3774023.13	15.32716	(12021515)
410354.21	3774023.13	15.77209	(12021515)	410399.21	3774023.13	15.88724	(12021515)
410444.21	3774023.13	15.90027	(12021515)	410489.21	3774023.13	15.86676	(12021515)
410534.21	3774023.13	15.80593	(12021515)	410579.21	3774023.13	15.67632	(12021515)
410624.21	3774023.13	15.39002	(12021515)	410669.21	3774023.13	14.79922	(12021515)
410714.21	3774023.13	13.67693	(12021515)	410759.21	3774023.13	13.26758	(16120908)
410804.21	3774023.13	12.82328	(16120908)	410849.21	3774023.13	12.28171	(16120908)
410894.21	3774023.13	11.65217	(16120908)	410939.21	3774023.13	10.95653	(16120908)
410984.21	3774023.13	10.21961	(16120908)	411029.21	3774023.13	9.46675	(16120908)
411074.21	3774023.13	8.72323	(16120908)	411119.21	3774023.13	8.00881	(16120908)
411164.21	3774023.13	7.33684	(16120908)	411209.21	3774023.13	6.71552	(16120908)
411254.21	3774023.13	6.14857	(16120908)	411299.21	3774023.13	5.63586	(16120908)
410264.21	3774068.13	15.63359	(12021515)	410309.21	3774068.13	17.21692	(12021515)
410354.21	3774068.13	17.80947	(12021515)	410399.21	3774068.13	17.95085	(12021515)
410444.21	3774068.13	17.96447	(12021515)	410489.21	3774068.13	17.94781	(12021515)
410534.21	3774068.13	17.89605	(12021515)	410579.21	3774068.13	17.81147	(12021515)
410624.21	3774068.13	17.61015	(12021515)	410669.21	3774068.13	17.16991	(12021515)
410714.21	3774068.13	16.22191	(12021515)	410759.21	3774068.13	15.67861	(16120908)
410804.21	3774068.13	15.09881	(16120908)	410849.21	3774068.13	14.39301	(16120908)

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       410894.21   3774068.13       13.56656  (16120908)                410939.21
 3774068.13       12.65280  (16120908)
       410984.21   3774068.13       11.68775  (16120908)                411029.21
 3774068.13       10.71090  (16120908)
       411074.21   3774068.13        9.75924  (16120908)                411119.21
 3774068.13        8.85945  (16120908)
       411164.21   3774068.13        8.02981  (16120908)                411209.21
 3774068.13        7.27725  (16120908)
       411254.21   3774068.13        6.60383  (16120908)                411299.21
 3774068.13        6.00549  (16120908)
       410264.21   3774113.13       17.39201  (12021515)                410309.21
 3774113.13       19.62767  (12021515)
       410354.21   3774113.13       20.41797  (12021515)                410399.21
 3774113.13       20.60939  (12021515)
       410444.21   3774113.13       20.61336  (12021515)                410489.21
 3774113.13       20.61209  (12021515)
       410534.21   3774113.13       20.58028  (12021515)                410579.21
 3774113.13       20.50504  (12021515)
       410624.21   3774113.13       20.35634  (12021515)                410669.21
 3774113.13       20.04777  (12021515)
       410714.21   3774113.13       19.41063  (16120908)                410759.21
 3774113.13       18.84816  (16120908)
       410804.21   3774113.13       18.08820  (16120908)                410849.21
 3774113.13       17.15100  (16120908)
       410894.21   3774113.13       16.04518  (16120908)                410939.21
 3774113.13       14.81756  (16120908)
       410984.21   3774113.13       13.52582  (16120908)                411029.21
 3774113.13       12.22994  (16120908)
       411074.21   3774113.13       10.98735  (16120908)                411119.21
 3774113.13        9.83790  (16120908)
       411164.21   3774113.13        8.80291  (16120908)                411209.21
 3774113.13        7.88646  (16120908)
       411254.21   3774113.13        7.08506  (16120908)                411299.21
 3774113.13        6.38749  (16120908)
       410264.21   3774158.13       19.52440  (12021515)                410309.21
 3774158.13       22.83975  (12021515)
       410354.21   3774158.13       23.95872  (12021515)                410399.21
 3774158.13       24.15945  (12021515)
       410444.21   3774158.13       24.18812  (12021515)                410489.21
 3774158.13       24.17425  (12021515)
       410534.21   3774158.13       24.14038  (12021515)                410579.21
 3774158.13       24.47336  (16120908)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       11:33:01

                                  PAGE 212
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAK ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410624.21	3774158.13	24.56830	(16120908)	410669.21	3774158.13	24.37950	(16120908)
410714.21	3774158.13	23.91540	(16120908)	410759.21	3774158.13	23.17750	(16120908)
410804.21	3774158.13	22.15796	(16120908)	410849.21	3774158.13	20.88848	(16120908)
410894.21	3774158.13	19.37531	(16120908)	410939.21	3774158.13	17.67784	(16120908)
410984.21	3774158.13	15.89112	(16120908)	411029.21	3774158.13	14.11839	(16120908)
411074.21	3774158.13	12.45654	(16120908)	411119.21	3774158.13	10.96209	(16120908)
411164.21	3774158.13	9.65758	(16120908)	411209.21	3774158.13	8.53755	(16120908)
411254.21	3774158.13	8.26588	(12101115)	411299.21	3774158.13	8.35408	(12101115)
410264.21	3774203.13	22.14581	(12021515)	410309.21	3774203.13	27.30862	(12021515)
410354.21	3774203.13	28.95854	(12021515)	410399.21	3774203.13	29.20687	(12021515)
410444.21	3774203.13	29.23227	(12021515)	410489.21	3774203.13	29.83517	(16120908)
410534.21	3774203.13	30.68771	(16120908)	410579.21	3774203.13	31.12828	(16120908)
410624.21	3774203.13	31.19573	(16120908)	410669.21	3774203.13	30.93098	(16120908)
410714.21	3774203.13	30.32357	(16120908)	410759.21	3774203.13	29.34188	(16120908)
410804.21	3774203.13	27.96419	(16120908)	410849.21			

3774203.13 26.22291 (16120908)
410894.21 3774203.13 24.08253 (16120908) 410939.21
3774203.13 21.63798 (16120908)
410984.21 3774203.13 19.04801 (16120908) 411029.21
3774203.13 16.52159 (16120908)
411074.21 3774203.13 14.22536 (16120908) 411119.21
3774203.13 12.24455 (16120908)
411164.21 3774203.13 11.15204 (12101115) 411209.21
3774203.13 11.19681 (12101115)
411254.21 3774203.13 11.09716 (12101115) 411299.21
3774203.13 10.75869 (12101115)
410264.21 3774248.13 25.49441 (12021515) 410309.21
3774248.13 34.03995 (12021515)
410354.21 3774248.13 36.57024 (12021515) 410399.21
3774248.13 36.87930 (12021515)
410444.21 3774248.13 38.04978 (16120908) 410489.21
3774248.13 39.70807 (16120908)
410534.21 3774248.13 40.72072 (16120908) 410579.21
3774248.13 41.20908 (16120908)
410624.21 3774248.13 41.25541 (16120908) 410669.21
3774248.13 40.85501 (16120908)
410714.21 3774248.13 40.00430 (16120908) 410759.21
3774248.13 38.70006 (16120908)
410804.21 3774248.13 36.80688 (16120908) 410849.21
3774248.13 34.36353 (16120908)
410894.21 3774248.13 31.22276 (16120908) 410939.21
3774248.13 27.49215 (16120908)
410984.21 3774248.13 23.48552 (16120908) 411029.21
3774248.13 19.65990 (16120908)
411074.21 3774248.13 16.35758 (16120908) 411119.21
3774248.13 15.70376 (12101115)
411164.21 3774248.13 15.41671 (12101115) 411209.21
3774248.13 14.64229 (12101115)
411254.21 3774248.13 13.85753 (12101115) 411299.21
3774248.13 12.81625 (12101115)
410264.21 3774293.13 30.44008 (16120908) 410309.21
3774293.13 45.60439 (12021515)
410354.21 3774293.13 49.55169 (12021515) 410399.21
3774293.13 51.23122 (16120908)
410444.21 3774293.13 54.61419 (16120908) 410489.21
3774293.13 56.63614 (16120908)
410534.21 3774293.13 57.67969 (16120908) 410579.21
3774293.13 58.08314 (16120908)
410624.21 3774293.13 57.96062 (16120908) 410669.21
3774293.13 57.33184 (16120908)
410714.21 3774293.13 56.07581 (16120908) 410759.21
3774293.13 54.31130 (16120908)
410804.21 3774293.13 51.74896 (16120908) 410849.21
3774293.13 48.22368 (16120908)
410894.21 3774293.13 43.38939 (16120908) 410939.21

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAK ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
 , L0000027   , L0000028   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        410984.21   3774293.13   30.23542 (16120908)   411029.21   3774293.13   23.88118 (16120908)
        411074.21   3774293.13   22.81933 (12101115)   411119.21   3774293.13   21.48213 (12101115)
        411164.21   3774293.13   19.71748 (12101115)   411209.21   3774293.13   17.49418 (12101115)
        411254.21   3774293.13   15.59689 (12101115)   411299.21   3774293.13   13.66242 (12101115)
        410264.21   3774338.13   42.16953 (16120908)   410309.21   3774338.13   71.43109 (12021515)
        410354.21   3774338.13   77.70076 (12021515)   410399.21   3774338.13   85.75256 (16120908)
        410444.21   3774338.13   89.85237 (16120908)   410489.21   3774338.13   91.74063 (16120908)
        410534.21   3774338.13   92.29958 (16120908)   410579.21   3774338.13   92.16516 (16120908)
        410624.21   3774338.13   91.42119 (16120908)   410669.21   3774338.13   90.02829 (16120908)
        410714.21   3774338.13   88.04871 (16120908)   410759.21   3774338.13   85.36993 (16120908)

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       410804.21   3774338.13       81.81385  (16120908)                410849.21
3774338.13       76.56748  (16120908)
       410894.21   3774338.13       68.68101  (16120908)                410939.21
3774338.13       56.77357  (16120908)
       410984.21   3774338.13       41.93948  (16120908)                411029.21
3774338.13       36.03545  (12101115)
       411074.21   3774338.13       31.41700  (12101115)                411119.21
3774338.13       26.29641  (12101115)
       411164.21   3774338.13       21.85291  (12101115)                411209.21
3774338.13       17.99283  (12101115)
       411254.21   3774338.13       14.97811  (12101115)                411299.21
3774338.13       12.43811  (12101115)
       410264.21   3774383.13       63.24237  (16120908)                410309.21
3774383.13      181.25613  (12021515)
       410354.21   3774383.13      212.62091  (16120908)                410399.21
3774383.13      219.33157  (16120908)
       410444.21   3774383.13      218.89160  (16120908)                410489.21
3774383.13      215.01408  (16120908)
       410534.21   3774383.13      210.41254  (16120908)                410579.21
3774383.13      205.55791  (16120908)
       410624.21   3774383.13      200.50755  (16120908)                410669.21
3774383.13      194.63381  (16120908)
       410714.21   3774383.13      188.54814  (16120908)                410759.21
3774383.13      181.74861  (16120908)
       410804.21   3774383.13      174.23868  (16120908)                410849.21
3774383.13      164.52309  (16120908)
       410894.21   3774383.13      150.01339  (16120908)                410939.21
3774383.13      121.28575  (16120908)
       410984.21   3774383.13       71.23487  (12101115)                411029.21
3774383.13       51.80409  (12101115)
       411074.21   3774383.13       35.15566  (12101115)                411119.21
3774383.13       25.25319  (12101115)
       411164.21   3774383.13       19.07005  (12101115)                411209.21
3774383.13       14.70189  (12101115)
       411254.21   3774383.13       11.56251  (12101115)                411299.21
3774383.13        9.75173  (12041314)
       410264.21   3774428.13       64.06395  (16120908)                410309.21
3774428.13      176.15806  (16120908)
       410354.21   3774428.13      235.80519  (16120908)                410399.21
3774428.13      260.81285  (16120908)
       410444.21   3774428.13      278.50966  (16120908)                410489.21
3774428.13      294.53815  (16120908)
       410534.21   3774428.13      310.00773  (16120908)                410579.21
3774428.13      326.03036  (16120908)
       410264.21   3774473.13       43.03527  (16120908)                410309.21
3774473.13       63.93074  (16120908)
       410354.21   3774473.13       81.68169  (16120908)                410399.21
3774473.13       92.57996  (16120908)
       410444.21   3774473.13       99.48131  (16120908)                410489.21
3774473.13      104.25060  (16120908)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LIVEOAK ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774563.13	24.20877	(16120908)	410309.21	3774563.13	28.98295	(16120908)
410354.21	3774563.13	33.55473	(16120908)	410399.21	3774563.13	37.42638	(16120908)
410444.21	3774563.13	40.44950	(16120908)	410489.21	3774563.13	42.70377	(16120908)
410534.21	3774563.13	44.31863	(16120908)	410579.21	3774563.13	45.39829	(16120908)
410264.21	3774608.13	19.60207	(16120908)	410309.21	3774608.13	22.59639	(16120908)
410354.21	3774608.13	25.48787	(16120908)	410399.21			

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3774608.13       28.04666  (16120908)
       410444.21   3774608.13       30.15280  (16120908)                 410489.21
3774608.13       31.79382  (16120908)
       410534.21   3774608.13       32.98978  (16120908)                 410579.21
3774608.13       33.79025  (16120908)
       410624.21   3774608.13       34.21120  (16120908)                 410759.21
3774608.13       33.14062  (16120908)
       410804.21   3774608.13       31.86786  (16120908)                 410354.21
3774653.13       20.32735  (16120908)
       410399.21   3774653.13       22.10524  (16120908)                 410444.21
3774653.13       23.61480  (16120908)
       410489.21   3774653.13       24.82126  (16120908)                 410534.21
3774653.13       25.72017  (16120908)
       410579.21   3774653.13       26.31531  (16120908)                 410624.21
3774653.13       26.61347  (16120908)
       410669.21   3774653.13       26.61373  (16120908)                 410714.21
3774653.13       26.31083  (16120908)
       410759.21   3774653.13       25.67893  (16120908)                 410804.21
3774653.13       24.69628  (16120908)
       410354.21   3774698.13       16.73667  (16120908)                 410399.21
3774698.13       18.01589  (16120908)
       410444.21   3774698.13       19.12109  (16120908)                 410489.21
3774698.13       20.02039  (16120908)
       410534.21   3774698.13       20.69736  (16120908)                 410579.21
3774698.13       21.14620  (16120908)
       410624.21   3774698.13       21.36424  (16120908)                 410669.21
3774698.13       21.34886  (16120908)
       410714.21   3774698.13       21.09405  (16120908)                 410759.21
3774698.13       20.59084  (16120908)
       410804.21   3774698.13       19.83635  (16120908)                 410444.21
3774743.13       15.86731  (16120908)
       410489.21   3774743.13       16.54558  (16120908)                 410534.21
3774743.13       17.05984  (16120908)
       410579.21   3774743.13       17.40057  (16120908)                 410624.21
3774743.13       17.56223  (16120908)
       410669.21   3774743.13       17.54132  (16120908)                 410714.21
3774743.13       17.33529  (16120908)
       410759.21   3774743.13       16.94179  (16120908)                 410804.21
3774743.13       16.36161  (16120908)
       410444.21   3774788.13       13.41779  (16120908)                 410489.21
3774788.13       13.93579  (16120908)
       410534.21   3774788.13       14.32982  (16120908)                 410579.21
3774788.13       14.59064  (16120908)
       410624.21   3774788.13       14.71221  (16120908)                 410669.21
3774788.13       14.69080  (16120908)
       410714.21   3774788.13       14.52568  (16120908)                 410759.21
3774788.13       14.21707  (16120908)
       410804.21   3774788.13       13.76648  (16120908)                 410489.21
3774833.13       11.91848  (16120908)
       410534.21   3774833.13       12.22332  (16120908)                 410579.21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STEWARTR ***
INCLUDING SOURCE(S): L0000049 , L0000050 , L0000051 , L0000052 , L0000053 ,
L0000054 , L0000055 , L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774023.13	6.87182	(12021515)	410309.21	3774023.13	10.99286	(12021515)
410354.21	3774023.13	15.76699	(12021515)	410399.21	3774023.13	20.02235	(12021515)
410444.21	3774023.13	22.28326	(12021515)	410489.21	3774023.13	21.58110	(12021515)
410534.21	3774023.13	18.22516	(12021515)	410579.21	3774023.13	13.57860	(12021515)
410624.21	3774023.13	10.05676	(12022715)	410669.21	3774023.13	8.45534	(16120908)

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       410714.21   3774023.13        8.35099  (16120908)                410759.21
3774023.13         8.16923  (16120908)
       410804.21   3774023.13        7.92144  (16120908)                410849.21
3774023.13         7.62796  (16120908)
       410894.21   3774023.13        7.29981  (16120908)                410939.21
3774023.13         6.95041  (16120908)
       410984.21   3774023.13        6.59084  (16120908)                411029.21
3774023.13         6.22966  (16120908)
       411074.21   3774023.13        5.87431  (16120908)                411119.21
3774023.13         5.52986  (16120908)
       411164.21   3774023.13        5.19940  (16120908)                411209.21
3774023.13         4.88503  (16120908)
       411254.21   3774023.13        4.58821  (16120908)                411299.21
3774023.13         4.30955  (16120908)
       410264.21   3774068.13        6.74630  (16120908)                410309.21
3774068.13         9.93996  (12021515)
       410354.21   3774068.13       15.39436  (12021515)                410399.21
3774068.13        20.98657  (12021515)
       410444.21   3774068.13       24.82459  (12021515)                410489.21
3774068.13        25.21754  (12021515)
       410534.21   3774068.13       21.94395  (12021515)                410579.21
3774068.13        16.57963  (12021515)
       410624.21   3774068.13       11.39261  (12022715)                410669.21
3774068.13         9.73219  (16120908)
       410714.21   3774068.13        9.57994  (16120908)                410759.21
3774068.13         9.32542  (16120908)
       410804.21   3774068.13        8.98878  (16120908)                410849.21
3774068.13         8.60046  (16120908)
       410894.21   3774068.13        8.17400  (16120908)                410939.21
3774068.13         7.72874  (16120908)
       410984.21   3774068.13        7.27833  (16120908)                411029.21
3774068.13         6.83356  (16120908)
       411074.21   3774068.13        6.40274  (16120908)                411119.21
3774068.13         5.99054  (16120908)
       411164.21   3774068.13        5.60064  (16120908)                411209.21
3774068.13         5.23385  (16120908)
       411254.21   3774068.13        4.89160  (16120908)                411299.21
3774068.13         4.57344  (16120908)
       410264.21   3774113.13        7.43098  (16120908)                410309.21
3774113.13         8.56546  (12021515)
       410354.21   3774113.13       14.47690  (12021515)                410399.21
3774113.13        21.47427  (12021515)
       410444.21   3774113.13       27.34586  (12021515)                410489.21
3774113.13        29.46891  (12021515)
       410534.21   3774113.13       26.64202  (12021515)                410579.21
3774113.13        20.43711  (12021515)
       410624.21   3774113.13       13.80933  (12021515)                410669.21
3774113.13        11.35407  (16120908)
       410714.21   3774113.13       11.12548  (16120908)                410759.21
3774113.13        10.75663  (16120908)
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3774158.13 13.47604 (16120908)
410714.21 3774158.13 13.11170 (16120908) 410759.21
3774158.13 12.56567 (16120908)
410804.21 3774158.13 11.89947 (16120908) 410849.21
3774158.13 11.17609 (16120908)
410894.21 3774158.13 10.42850 (16120908) 410939.21
3774158.13 9.68541 (16120908)
410984.21 3774158.13 8.96705 (16120908) 411029.21
3774158.13 8.28424 (16120908)
411074.21 3774158.13 7.64540 (16120908) 411119.21
3774158.13 7.05300 (16120908)
411164.21 3774158.13 6.50815 (16120908) 411209.21
3774158.13 6.00937 (16120908)
411254.21 3774158.13 5.55483 (16120908) 411299.21
3774158.13 5.14147 (16120908)
410264.21 3774203.13 9.03991 (16120908) 410309.21
3774203.13 10.04640 (16120908)
410354.21 3774203.13 11.15208 (16120908) 410399.21
3774203.13 20.00916 (12021515)
410444.21 3774203.13 31.21825 (12021515) 410489.21
3774203.13 39.90148 (12021515)
410534.21 3774203.13 40.48617 (12021515) 410579.21
3774203.13 32.39977 (12021515)
410624.21 3774203.13 21.64910 (12021515) 410669.21
3774203.13 16.33169 (16120908)
410714.21 3774203.13 15.73012 (16120908) 410759.21
3774203.13 14.88423 (16120908)
410804.21 3774203.13 13.90758 (16120908) 410849.21
3774203.13 12.89605 (16120908)
410894.21 3774203.13 11.88640 (16120908) 410939.21
3774203.13 10.91486 (16120908)
410984.21 3774203.13 9.99889 (16120908) 411029.21
3774203.13 9.14915 (16120908)
411074.21 3774203.13 8.36880 (16120908) 411119.21
3774203.13 7.65820 (16120908)
411164.21 3774203.13 7.01465 (16120908) 411209.21
3774203.13 6.43406 (16120908)
411254.21 3774203.13 5.91157 (16120908) 411299.21
3774203.13 5.44204 (16120908)
410264.21 3774248.13 9.97850 (16120908) 410309.21
3774248.13 11.24988 (16120908)
410354.21 3774248.13 12.71704 (16120908) 410399.21
3774248.13 17.61437 (12021515)
410444.21 3774248.13 31.48906 (12021515) 410489.21
3774248.13 45.72505 (12021515)
410534.21 3774248.13 51.00970 (12021515) 410579.21
3774248.13 42.26491 (12021515)
410624.21 3774248.13 27.67105 (12021515) 410669.21
3774248.13 20.36397 (16120908)
410714.21 3774248.13 19.27593 (16120908) 410759.21

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 3774248.13       17.90887  (16120908)
       410804.21   3774248.13       16.43579  (16120908)                410849.21
 3774248.13       14.99642  (16120908)
       410894.21   3774248.13       13.62229  (16120908)                410939.21
 3774248.13       12.34527  (16120908)
       410984.21   3774248.13       11.17609  (16120908)                411029.21
 3774248.13       10.11671  (16120908)
       411074.21   3774248.13        9.16425  (16120908)                411119.21
 3774248.13        8.31268  (16120908)
       411164.21   3774248.13        7.55411  (16120908)                411209.21
 3774248.13        6.87991  (16120908)
       411254.21   3774248.13        6.28122  (16120908)                411299.21
 3774248.13        5.74978  (16120908)
       410264.21   3774293.13       10.98455  (16120908)                410309.21
 3774293.13       12.59113  (16120908)
       410354.21   3774293.13       14.52792  (16120908)                410399.21
 3774293.13       16.84754  (16120908)
       410444.21   3774293.13       29.60583  (12021515)                410489.21
 3774293.13       50.85978  (12021515)
       410534.21   3774293.13       65.45886  (12021515)                410579.21
 3774293.13       57.57981  (12021515)
       410624.21   3774293.13       36.07144  (12021515)                410669.21
 3774293.13       26.33994  (16120908)
       410714.21   3774293.13       24.21002  (16120908)                410759.21
 3774293.13       21.89462  (16120908)
       410804.21   3774293.13       19.64269  (16120908)                410849.21
 3774293.13       17.56885  (16120908)
       410894.21   3774293.13       15.69017  (16120908)                410939.21
 3774293.13       14.00779  (16120908)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        11:33:01

                                   PAGE 217
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  STEWARTR ***
                                  INCLUDING SOURCE(S):     L0000049    , L0000050
 , L0000051    , L0000052    , L0000053    ,
                 L0000054    , L0000055    , L0000056    , L0000057    , L0000058
 , L0000059    , L0000060    , L0000061    ,
                 L0000062    , L0000063    , L0000064    , L0000065    , L0000066
 , L0000067    , L0000068    , L0000069    ,
                 L0000070    , L0000071    , L0000072    , L0000073    , L0000074
 , L0000075    , L0000076    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410984.21	3774293.13	12.51274	(16120908)	411029.21	3774293.13	11.19291	(16120908)
411074.21	3774293.13	10.03169	(16120908)	411119.21	3774293.13	9.01350	(16120908)
411164.21	3774293.13	8.12206	(16120908)	411209.21	3774293.13	7.34220	(16120908)
411254.21	3774293.13	6.65919	(16120908)	411299.21	3774293.13	6.06049	(16120908)
410264.21	3774338.13	12.02356	(16120908)	410309.21	3774338.13	14.03326	(16120908)
410354.21	3774338.13	16.56425	(16120908)	410399.21	3774338.13	19.79946	(16120908)
410444.21	3774338.13	24.97998	(12021515)	410489.21	3774338.13	52.80897	(12021515)
410534.21	3774338.13	84.95057	(12021515)	410579.21	3774338.13	84.84287	(12021515)
410624.21	3774338.13	48.35477	(12021515)	410669.21	3774338.13	35.75933	(16120908)
410714.21	3774338.13	31.25113	(16120908)	410759.21	3774338.13	27.17350	(16120908)
410804.21	3774338.13	23.69300	(16120908)	410849.21	3774338.13	20.70714	(16120908)
410894.21	3774338.13	18.14047	(16120908)	410939.21	3774338.13	15.92807	(16120908)
410984.21	3774338.13	14.02036	(16120908)	411029.21	3774338.13	12.37884	(16120908)
411074.21	3774338.13	10.96727	(16120908)	411119.21	3774338.13	9.75432	(16120908)
411164.21	3774338.13	8.71159	(16120908)	411209.21	3774338.13	7.81400	(16120908)
411254.21	3774338.13	7.16901	(12101115)	411299.21	3774338.13	6.98976	(12101115)
410264.21	3774383.13	13.03994	(16120908)	410309.21	3774383.13	15.48464	(16120908)
410354.21	3774383.13	18.71622	(16120908)	410399.21	3774383.13	23.12927	(16120908)
410444.21	3774383.13	29.37940	(16120908)	410489.21	3774383.13	47.98205	(12021515)
410534.21	3774383.13	106.14413	(12021515)	410579.21	3774383.13	148.41297	(12021515)
410624.21	3774383.13	66.33108	(12021515)	410669.21	3774383.13	51.59195	(16120908)

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       410714.21   3774383.13       41.26090  (16120908)                410759.21
 3774383.13       34.10052  (16120908)
       410804.21   3774383.13       28.75777  (16120908)                410849.21
 3774383.13       24.51286  (16120908)
       410894.21   3774383.13       21.03014  (16120908)                410939.21
 3774383.13       18.13180  (16120908)
       410984.21   3774383.13       15.70509  (16120908)                411029.21
 3774383.13       13.67053  (16120908)
       411074.21   3774383.13       11.96174  (16120908)                411119.21
 3774383.13       10.52438  (16120908)
       411164.21   3774383.13        9.32797  (12101115)                411209.21
 3774383.13        8.96815  (12101115)
       411254.21   3774383.13        8.60339  (12101115)                411299.21
 3774383.13        8.23429  (12101115)
       410264.21   3774428.13       13.97244  (16120908)                410309.21
 3774428.13       16.84175  (16120908)
       410354.21   3774428.13       20.79584  (16120908)                410399.21
 3774428.13       26.50991  (16120908)
       410444.21   3774428.13       35.34400  (16120908)                410489.21
 3774428.13       50.62632  (16120908)
       410534.21   3774428.13      106.91624  (12021515)                410579.21
 3774428.13      383.64076  (12021515)
       410264.21   3774473.13       14.70888  (16120908)                410309.21
 3774473.13       17.93150  (16120908)
       410354.21   3774473.13       22.50551  (16120908)                410399.21
 3774473.13       29.37835  (16120908)
       410444.21   3774473.13       40.64329  (16120908)                410489.21
 3774473.13       61.84559  (16120908)
       410534.21   3774473.13      114.47971  (16120908)                410579.21
 3774473.13      418.99995  (16120908)
       410264.21   3774518.13       15.20468  (16120908)                410309.21
 3774518.13       18.66758  (16120908)
       410354.21   3774518.13       23.63136  (16120908)                410399.21
 3774518.13       31.23472  (16120908)
       410444.21   3774518.13       43.99958  (16120908)                410489.21
 3774518.13       68.42697  (16120908)
       410534.21   3774518.13      128.75075  (16120908)                410579.21
 3774518.13      427.91808  (16120908)
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 218
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  STEWARTR ***
                                  INCLUDING SOURCE(S):     L0000049    , L0000050
 , L0000051    , L0000052    , L0000053    ,
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                 L0000054    , L0000055    , L0000056    , L0000057    , L0000058
 , L0000059    , L0000060    , L0000061    ,
                 L0000062    , L0000063    , L0000064    , L0000065    , L0000066
 , L0000067    , L0000068    , L0000069    ,
                 L0000070    , L0000071    , L0000072    , L0000073    , L0000074
 , L0000075    , L0000076    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410264.21   3774563.13       15.39197  (16120908)               410309.21
 3774563.13       18.90496  (16120908)
        410354.21   3774563.13       23.95371  (16120908)               410399.21
 3774563.13       31.64740  (16120908)
        410444.21   3774563.13       44.44070  (16120908)               410489.21
 3774563.13       68.71980  (16120908)
        410534.21   3774563.13      127.56769  (16120908)               410579.21
 3774563.13      414.86866  (16120908)
        410264.21   3774608.13       15.25912  (16120908)               410309.21
 3774608.13       18.65433  (16120908)
        410354.21   3774608.13       23.46927  (16120908)               410399.21
 3774608.13       30.64297  (16120908)
        410444.21   3774608.13       42.14253  (16120908)               410489.21
 3774608.13       62.71063  (16120908)
        410534.21   3774608.13      107.82040  (16120908)               410579.21
 3774608.13      278.00752  (16120908)
        410624.21   3774608.13      344.58922  (16120908)               410759.21
 3774608.13      147.60949  (16120908)
        410804.21   3774608.13       94.16628  (16120908)               410354.21
 3774653.13       22.31947  (16120908)
        410399.21   3774653.13       28.52783  (16120908)               410444.21
 3774653.13       37.90325  (16120908)
        410489.21   3774653.13       52.98711  (16120908)               410534.21
 3774653.13       79.21830  (16120908)
        410579.21   3774653.13      126.30282  (16120908)               410624.21
 3774653.13      189.50264  (16120908)
        410669.21   3774653.13      272.63730  (16120908)               410714.21
 3774653.13      339.87635  (16120908)
        410759.21   3774653.13      294.67143  (16120908)               410804.21
 3774653.13      142.13175  (16120908)
        410354.21   3774698.13       20.73388  (16120908)               410399.21
 3774698.13       25.85166  (16120908)
        410444.21   3774698.13       33.04407  (16120908)               410489.21
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 3774698.13       43.38817  (16120908)
       410534.21   3774698.13       58.32398  (16120908)                410579.21
 3774698.13       78.74291  (16120908)
       410624.21   3774698.13      104.07827  (16120908)                410669.21
 3774698.13      140.49960  (16120908)
       410714.21   3774698.13      230.84132  (16120908)                410759.21
 3774698.13      307.11628  (16120908)
       410804.21   3774698.13      283.36452  (16120908)                410444.21
 3774743.13       28.40393  (16120908)
       410489.21   3774743.13       35.49126  (16120908)                410534.21
 3774743.13       44.67431  (16120908)
       410579.21   3774743.13       56.13018  (16120908)                410624.21
 3774743.13       70.16803  (16120908)
       410669.21   3774743.13       89.39878  (16120908)                410714.21
 3774743.13      123.23959  (16120908)
       410759.21   3774743.13      207.40669  (16120908)                410804.21
 3774743.13      273.54106  (16120908)
       410444.21   3774788.13       24.33102  (16120908)                410489.21
 3774788.13       29.28307  (16120908)
       410534.21   3774788.13       35.29988  (16120908)                410579.21
 3774788.13       42.44325  (16120908)
       410624.21   3774788.13       50.91372  (16120908)                410669.21
 3774788.13       61.55591  (16120908)
       410714.21   3774788.13       76.64380  (16120908)                410759.21
 3774788.13      101.34712  (16120908)
       410804.21   3774788.13      148.31546  (16120908)                410489.21
 3774833.13       24.40126  (16120908)
       410534.21   3774833.13       28.49127  (16120908)                410579.21
 3774833.13       33.13992  (16120908)
       410624.21   3774833.13       38.37800  (16120908)                410669.21
 3774833.13       44.34108  (16120908)
       410714.21   3774833.13       51.28845  (16120908)                410759.21
 3774833.13       58.94774  (16120908)
       410489.21   3774878.13       20.52072  (16120908)                410534.21
 3774878.13       23.36062  (16120908)
       410579.21   3774878.13       26.44799  (16120908)                410624.21
 3774878.13       29.72468  (16120908)
       410669.21   3774878.13       33.09414  (16120908)                410714.21
 3774878.13       36.35353  (16120908)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 219
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                 INCLUDING SOURCE(S):     L0000119    , L0000120
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 , L0000121    , L0000122    , L0000123    ,
                 L0000124    , L0000125    , L0000126    , L0000127    , L0000128
 , L0000129    , L0000130    , L0000131    ,
                 L0000132    , L0000133    , L0000134    , L0000135    , L0000136
 , L0000137    , L0000138    , L0000139    ,
                 L0000140    , L0000141    , L0000142    , L0000143    , L0000144
 , L0000145    , L0000146    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410264.21   3774023.13        7.12046  (16120908)               410309.21
 3774023.13        8.39012  (12021515)
        410354.21   3774023.13       13.79236  (12021515)               410399.21
 3774023.13       20.21026  (12021515)
        410444.21   3774023.13       26.02083  (12021515)               410489.21
 3774023.13       28.99608  (12021515)
        410534.21   3774023.13       27.59658  (12021515)               410579.21
 3774023.13       22.11023  (12021515)
        410624.21   3774023.13       14.85792  (12022715)               410669.21
 3774023.13       12.83958  (12022715)
        410714.21   3774023.13       10.83142  (16120908)               410759.21
 3774023.13       10.59741  (16120908)
        410804.21   3774023.13       10.23774  (16120908)               410849.21
 3774023.13        9.78796  (16120908)
        410894.21   3774023.13        9.27292  (16120908)               410939.21
 3774023.13        8.72145  (16120908)
        410984.21   3774023.13        8.15767  (16120908)               411029.21
 3774023.13        7.59977  (16120908)
        411074.21   3774023.13        7.06174  (16120908)               411119.21
 3774023.13        6.55216  (16120908)
        411164.21   3774023.13        6.07527  (16120908)               411209.21
 3774023.13        5.63297  (16120908)
        411254.21   3774023.13        5.22579  (16120908)               411299.21
 3774023.13        4.85270  (16120908)
        410264.21   3774068.13        7.81396  (16120908)               410309.21
 3774068.13        8.49305  (16120908)
        410354.21   3774068.13       12.37130  (12021515)               410399.21
 3774068.13       19.70037  (12021515)
        410444.21   3774068.13       27.42362  (12021515)               410489.21
 3774068.13       32.80064  (12021515)
        410534.21   3774068.13       33.10973  (12021515)               410579.21
 3774068.13       27.75406  (12021515)
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       410624.21   3774068.13       18.99584  (12021515)                410669.21
 3774068.13       15.01085  (12022715)
       410714.21   3774068.13       12.71115  (16120908)                410759.21
 3774068.13       12.37657  (16120908)
       410804.21   3774068.13       11.87219  (16120908)                410849.21
 3774068.13       11.25507  (16120908)
       410894.21   3774068.13       10.56108  (16120908)                410939.21
 3774068.13        9.83445  (16120908)
       410984.21   3774068.13        9.10761  (16120908)                411029.21
 3774068.13        8.40414  (16120908)
       411074.21   3774068.13        7.73972  (16120908)                411119.21
 3774068.13        7.12179  (16120908)
       411164.21   3774068.13        6.55393  (16120908)                411209.21
 3774068.13        6.03547  (16120908)
       411254.21   3774068.13        5.56501  (16120908)                411299.21
 3774068.13        5.13933  (16120908)
       410264.21   3774113.13        8.59021  (16120908)                410309.21
 3774113.13        9.43277  (16120908)
       410354.21   3774113.13       10.51911  (12021515)                410399.21
 3774113.13       18.42890  (12021515)
       410444.21   3774113.13       28.09149  (12021515)                410489.21
 3774113.13       36.53483  (12021515)
       410534.21   3774113.13       39.62349  (12021515)                410579.21
 3774113.13       35.06994  (12021515)
       410624.21   3774113.13       24.83741  (12021515)                410669.21
 3774113.13       17.79600  (12022715)
       410714.21   3774113.13       15.17197  (16120908)                410759.21
 3774113.13       14.67286  (16120908)
       410804.21   3774113.13       13.94681  (16120908)                410849.21
 3774113.13       13.07522  (16120908)
       410894.21   3774113.13       12.12167  (16120908)                410939.21
 3774113.13       11.15039  (16120908)
       410984.21   3774113.13       10.20582  (16120908)                411029.21
 3774113.13        9.31409  (16120908)
       411074.21   3774113.13        8.49080  (16120908)                411119.21
 3774113.13        7.74146  (16120908)
       411164.21   3774113.13        7.06561  (16120908)                411209.21
 3774113.13        6.45925  (16120908)
       411254.21   3774113.13        5.91723  (16120908)                411299.21
 3774113.13        5.43334  (16120908)
       410264.21   3774158.13        9.43667  (16120908)                410309.21
 3774158.13       10.49384  (16120908)
       410354.21   3774158.13       11.66228  (16120908)                410399.21
 3774158.13       16.32290  (12021515)
       410444.21   3774158.13       27.70304  (12021515)                410489.21
 3774158.13       39.78975  (12021515)
       410534.21   3774158.13       47.06921  (12021515)                410579.21
 3774158.13       44.59555  (12021515)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
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                            *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE   ***
                                INCLUDING SOURCE(S):   L0000119   , L0000120 , L0000121   , L0000122   , L0000123   ,
                  L0000124   , L0000125   , L0000126   , L0000127   , L0000128 , L0000129   , L0000130   , L0000131   ,
                  L0000132   , L0000133   , L0000134   , L0000135   , L0000136 , L0000137   , L0000138   , L0000139   ,
                  L0000140   , L0000141   , L0000142   , L0000143   , L0000144 , L0000145   , L0000146   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        410624.21   3774158.13   33.01273 (12021515)   410669.21   3774158.13   21.48384 (12022715)
        410714.21   3774158.13   18.49609 (16120908)   410759.21   3774158.13   17.72915 (16120908)
        410804.21   3774158.13   16.63424 (16120908)   410849.21   3774158.13   15.36436 (16120908)
        410894.21   3774158.13   14.02714 (16120908)   410939.21   3774158.13   12.71083 (16120908)
        410984.21   3774158.13   11.47165 (16120908)   411029.21   3774158.13   10.33588 (16120908)
        411074.21   3774158.13   9.31513 (16120908)   411119.21   3774158.13   8.40736 (16120908)
        411164.21   3774158.13   7.60543 (16120908)   411209.21   3774158.13   6.89916 (16120908)
        411254.21   3774158.13   6.27758 (16120908)   411299.21   3774158.13   5.73036 (16120908)
        410264.21   3774203.13   10.34581 (16120908)   410309.21   3774203.13   11.66759 (16120908)
        410354.21   3774203.13   13.17710 (16120908)   410399.21   3774203.13   14.88542 (16120908)
        410444.21   3774203.13   25.88986 (12021515)   410489.21   3774203.13   41.94191 (12021515)
        410534.21   3774203.13   55.26471 (12021515)   410579.21

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3774203.13       57.07782  (12021515)
       410624.21   3774203.13       44.66198  (12021515)                410669.21
3774203.13       26.51405  (12022715)
       410714.21   3774203.13       23.16896  (16120908)                410759.21
3774203.13       21.91312  (16120908)
       410804.21   3774203.13       20.19106  (16120908)                410849.21
3774203.13       18.28564  (16120908)
       410894.21   3774203.13       16.36499  (16120908)                410939.21
3774203.13       14.55690  (16120908)
       410984.21   3774203.13       12.91873  (16120908)                411029.21
3774203.13       11.47016  (16120908)
       411074.21   3774203.13       10.20622  (16120908)                411119.21
3774203.13        9.11117  (16120908)
       411164.21   3774203.13        8.16493  (16120908)                411209.21
3774203.13        7.34725  (16120908)
       411254.21   3774203.13        6.63916  (16120908)                411299.21
3774203.13        6.05680  (12101115)
       410264.21   3774248.13       11.32007  (16120908)                410309.21
3774248.13       12.94647  (16120908)
       410354.21   3774248.13       14.88855  (16120908)                410399.21
3774248.13       17.18179  (16120908)
       410444.21   3774248.13       22.45915  (12021515)                410489.21
3774248.13       42.10360  (12021515)
       410534.21   3774248.13       63.56374  (12021515)                410579.21
3774248.13       73.45805  (12021515)
       410624.21   3774248.13       61.98576  (12021515)                410669.21
3774248.13       36.80856  (12021515)
       410714.21   3774248.13       30.07246  (16120908)                410759.21
3774248.13       27.86586  (16120908)
       410804.21   3774248.13       25.00245  (16120908)                410849.21
3774248.13       22.03558  (16120908)
       410894.21   3774248.13       19.22332  (16120908)                410939.21
3774248.13       16.71549  (16120908)
       410984.21   3774248.13       14.54801  (16120908)                411029.21
3774248.13       12.70510  (16120908)
       411074.21   3774248.13       11.14936  (16120908)                411119.21
3774248.13        9.83807  (16120908)
       411164.21   3774248.13        8.73077  (16120908)                411209.21
3774248.13        8.25190  (12101115)
       411254.21   3774248.13        8.40341  (12101115)                411299.21
3774248.13        8.41179  (12101115)
       410264.21   3774293.13       12.31651  (16120908)                410309.21
3774293.13       14.30442  (16120908)
       410354.21   3774293.13       16.76892  (16120908)                410399.21
3774293.13       19.83315  (16120908)
       410444.21   3774293.13       23.61384  (16120908)                410489.21
3774293.13       39.23971  (12021515)
       410534.21   3774293.13       70.57249  (12021515)                410579.21
3774293.13       94.88960  (12021515)
       410624.21   3774293.13       88.71463  (12021515)                410669.21
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0000119   , L0000120
 , L0000121   , L0000122   , L0000123   ,
                 L0000124   , L0000125   , L0000126   , L0000127   , L0000128
 , L0000129   , L0000130   , L0000131   ,
                 L0000132   , L0000133   , L0000134   , L0000135   , L0000136
 , L0000137   , L0000138   , L0000139   ,
                 L0000140   , L0000141   , L0000142   , L0000143   , L0000144
 , L0000145   , L0000146   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       410984.21   3774293.13   16.33688 (16120908)   411029.21
 3774293.13   14.01183 (16120908)
       411074.21   3774293.13   12.11709 (16120908)   411119.21
 3774293.13   11.70405 (12101115)
       411164.21   3774293.13   11.69219 (12101115)   411209.21
 3774293.13   11.43745 (12101115)
       411254.21   3774293.13   11.12705 (12101115)   411299.21
 3774293.13   10.65608 (12101115)
       410264.21   3774338.13   13.28555 (16120908)   410309.21
 3774338.13   15.67670 (16120908)
       410354.21   3774338.13   18.74748 (16120908)   410399.21
 3774338.13   22.76887 (16120908)
       410444.21   3774338.13   28.09592 (16120908)   410489.21
 3774338.13   35.14889 (16120908)

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       410534.21   3774338.13       73.36722  (12021515)               410579.21
3774338.13      122.36476  (12021515)
       410624.21   3774338.13      132.80705  (12021515)               410669.21
3774338.13       87.30171  (12021515)
       410714.21   3774338.13       59.98662  (16120908)               410759.21
3774338.13       50.46238  (16120908)
       410804.21   3774338.13       40.95465  (16120908)               410849.21
3774338.13       32.99643  (16120908)
       410894.21   3774338.13       26.75187  (16120908)               410939.21
3774338.13       21.93552  (16120908)
       410984.21   3774338.13       18.22261  (16120908)               411029.21
3774338.13       17.52644  (12101115)
       411074.21   3774338.13       16.96205  (12101115)               411119.21
3774338.13       16.18031  (12101115)
       411164.21   3774338.13       15.27657  (12101115)               411209.21
3774338.13       14.23833  (12101115)
       411254.21   3774338.13       13.22898  (12101115)               411299.21
3774338.13       12.15538  (12101115)
       410264.21   3774383.13       14.16062  (16120908)               410309.21
3774383.13       16.94751  (16120908)
       410354.21   3774383.13       20.66504  (16120908)               410399.21
3774383.13       25.78335  (16120908)
       410444.21   3774383.13       33.07311  (16120908)               410489.21
3774383.13       43.81157  (16120908)
       410534.21   3774383.13       67.32717  (12021515)               410579.21
3774383.13      155.33567  (12021515)
       410624.21   3774383.13      215.91162  (12021515)               410669.21
3774383.13      157.24749  (12021515)
       410714.21   3774383.13       98.73562  (16120908)               410759.21
3774383.13       72.96683  (16120908)
       410804.21   3774383.13       53.68459  (16120908)               410849.21
3774383.13       40.45440  (16120908)
       410894.21   3774383.13       31.28695  (16120908)               410939.21
3774383.13       28.66833  (12101115)
       410984.21   3774383.13       25.80427  (12101115)               411029.21
3774383.13       24.15822  (12101115)
       411074.21   3774383.13       21.82257  (12101115)               411119.21
3774383.13       19.60590  (12101115)
       411164.21   3774383.13       17.64767  (12101115)               411209.21
3774383.13       15.77569  (12101115)
       411254.21   3774383.13       14.02094  (12101115)               411299.21
3774383.13       12.43170  (12101115)
       410264.21   3774428.13       14.87830  (16120908)               410309.21
3774428.13       18.00624  (16120908)
       410354.21   3774428.13       22.31146  (16120908)               410399.21
3774428.13       28.48978  (16120908)
       410444.21   3774428.13       37.85152  (16120908)               410489.21
3774428.13       53.18217  (16120908)
       410534.21   3774428.13       81.36879  (16120908)               410579.21
3774428.13      176.13880  (12021515)
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0000119   , L0000120
 , L0000121   , L0000122   , L0000123   ,
                  L0000124   , L0000125   , L0000126   , L0000127   , L0000128
 , L0000129   , L0000130   , L0000131   ,
                  L0000132   , L0000133   , L0000134   , L0000135   , L0000136
 , L0000137   , L0000138   , L0000139   ,
                  L0000140   , L0000141   , L0000142   , L0000143   , L0000144
 , L0000145   , L0000146   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       410264.21   3774563.13   15.74865 (14123015)   410309.21
 3774563.13   19.23586 (14123015)
       410354.21   3774563.13   23.89764 (14123015)   410399.21
 3774563.13   30.33146 (14123015)
       410444.21   3774563.13   41.14299 (16120908)   410489.21

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3774563.13       59.70124  (16120908)
       410534.21   3774563.13       96.45624  (16120908)                410579.21
3774563.13      194.13652  (16120908)
       410264.21   3774608.13       15.69091  (14123015)                410309.21
3774608.13       18.57318  (14123015)
       410354.21   3774608.13       22.31226  (16120908)                410399.21
3774608.13       28.41853  (16120908)
       410444.21   3774608.13       37.55659  (16120908)                410489.21
3774608.13       52.10521  (16120908)
       410534.21   3774608.13       77.28375  (16120908)                410579.21
3774608.13      125.98392  (16120908)
       410624.21   3774608.13      221.75714  (16120908)                410759.21
3774608.13      198.91051  (12121715)
       410804.21   3774608.13       95.20719  (12121715)                410354.21
3774653.13       20.70126  (16120908)
       410399.21   3774653.13       25.75528  (16120908)                410444.21
3774653.13       32.87731  (16120908)
       410489.21   3774653.13       43.18788  (16120908)                410534.21
3774653.13       58.39061  (16120908)
       410579.21   3774653.13       80.36986  (16120908)                410624.21
3774653.13      107.73017  (16120908)
       410669.21   3774653.13      133.18816  (12011615)                410714.21
3774653.13      141.99995  (12110815)
       410759.21   3774653.13      133.27093  (12121715)                410804.21
3774653.13       91.90600  (12121715)
       410354.21   3774698.13       18.82704  (16120908)                410399.21
3774698.13       22.83416  (16120908)
       410444.21   3774698.13       28.10628  (16120908)                410489.21
3774698.13       35.04474  (16120908)
       410534.21   3774698.13       43.96726  (16120908)                410579.21
3774698.13       54.58284  (16120908)
       410624.21   3774698.13       65.01602  (16120908)                410669.21
3774698.13       82.41500  (12011615)
       410714.21   3774698.13       87.65603  (12011615)                410759.21
3774698.13       84.82355  (12110815)
       410804.21   3774698.13       74.05389  (12121715)                410444.21
3774743.13       23.78019  (16120908)
       410489.21   3774743.13       28.38346  (16120908)                410534.21
3774743.13       33.69715  (16120908)
       410579.21   3774743.13       39.24617  (16120908)                410624.21
3774743.13       45.48105  (16032808)
       410669.21   3774743.13       57.20408  (12011615)                410714.21
3774743.13       61.68206  (12011615)
       410759.21   3774743.13       60.83579  (12110815)                410804.21
3774743.13       53.70494  (12121715)
       410444.21   3774788.13       20.09918  (16120908)                410489.21
3774788.13       23.17208  (16120908)
       410534.21   3774788.13       26.44045  (16120908)                410579.21
3774788.13       29.55737  (16120908)
       410624.21   3774788.13       35.05305  (16032808)                410669.21
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774023.13	27.99702	(12021515)	410309.21	3774023.13	37.98711	(12021515)
410354.21	3774023.13	49.74610	(12021515)	410399.21	3774023.13	61.78986	(12021515)

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       410444.21   3774023.13       71.16244  (12021515)               410489.21
3774023.13       74.62641  (12021515)
       410534.21   3774023.13       70.89690  (12021515)               410579.21
3774023.13       61.52350  (12021515)
       410624.21   3774023.13       50.03859  (12021515)               410669.21
3774023.13       39.69653  (12021515)
       410714.21   3774023.13       38.33195  (16120908)               410759.21
3774023.13       37.73442  (16120908)
       410804.21   3774023.13       36.79689  (16120908)               410849.21
3774023.13       35.59745  (16120908)
       410894.21   3774023.13       34.17414  (16120908)               410939.21
3774023.13       32.58833  (16120908)
       410984.21   3774023.13       30.89847  (16120908)               411029.21
3774023.13       29.15636  (16120908)
       411074.21   3774023.13       27.41183  (16120908)               411119.21
3774023.13       25.70242  (16120908)
       411164.21   3774023.13       24.05334  (16120908)               411209.21
3774023.13       22.48232  (16120908)
       411254.21   3774023.13       21.00161  (16120908)               411299.21
3774023.13       19.61686  (16120908)
       410264.21   3774068.13       30.04728  (16120908)               410309.21
3774068.13       37.09500  (12021515)
       410354.21   3774068.13       49.76568  (12021515)               410399.21
3774068.13       64.16064  (12021515)
       410444.21   3774068.13       77.14237  (12021515)               410489.21
3774068.13       84.27358  (12021515)
       410534.21   3774068.13       82.50906  (12021515)               410579.21
3774068.13       72.76979  (12021515)
       410624.21   3774068.13       59.24424  (12021515)               410669.21
3774068.13       46.65322  (12021515)
       410714.21   3774068.13       44.53873  (16120908)               410759.21
3774068.13       43.70573  (16120908)
       410804.21   3774068.13       42.43103  (16120908)               410849.21
3774068.13       40.83230  (16120908)
       410894.21   3774068.13       38.95191  (16120908)               410939.21
3774068.13       36.88367  (16120908)
       410984.21   3774068.13       34.70659  (16120908)               411029.21
3774068.13       32.49480  (16120908)
       411074.21   3774068.13       30.31350  (16120908)               411119.21
3774068.13       28.20612  (16120908)
       411164.21   3774068.13       26.20688  (16120908)               411209.21
3774068.13       24.32852  (16120908)
       411254.21   3774068.13       22.58448  (16120908)               411299.21
3774068.13       20.97385  (16120908)
       410264.21   3774113.13       33.60371  (16120908)               410309.21
3774113.13       36.65470  (16120908)
       410354.21   3774113.13       49.34256  (12021515)               410399.21
3774113.13       65.84391  (12021515)
       410444.21   3774113.13       82.90816  (12021515)               410489.21
3774113.13       95.01482  (12021515)
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       410534.21   3774113.13       96.68350  (12021515)                410579.21
 3774113.13       87.10140  (12021515)
       410624.21   3774113.13       71.11197  (12021515)                410669.21
 3774113.13       55.42496  (12021515)
       410714.21   3774113.13       52.54041  (16120908)                410759.21
 3774113.13       51.33776  (16120908)
       410804.21   3774113.13       49.57785  (16120908)                410849.21
 3774113.13       47.39343  (16120908)
       410894.21   3774113.13       44.86406  (16120908)                410939.21
 3774113.13       42.12024  (16120908)
       410984.21   3774113.13       39.27834  (16120908)                411029.21
 3774113.13       36.43348  (16120908)
       411074.21   3774113.13       33.67270  (16120908)                411119.21
 3774113.13       31.05436  (16120908)
       411164.21   3774113.13       28.61381  (16120908)                411209.21
 3774113.13       26.35920  (16120908)
       411254.21   3774113.13       24.30019  (16120908)                411299.21
 3774113.13       22.42455  (16120908)
       410264.21   3774158.13       37.84798  (16120908)                410309.21
 3774158.13       41.87527  (16120908)
       410354.21   3774158.13       48.94763  (12021515)                410399.21
 3774158.13       66.79959  (12021515)
       410444.21   3774158.13       88.25319  (12021515)                410489.21
 3774158.13      106.79136  (12021515)
       410534.21   3774158.13      113.93852  (12021515)                410579.21
 3774158.13      105.71929  (12021515)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 224
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410624.21	3774158.13	86.96749	(12021515)	410669.21	3774158.13	66.94277	(12021515)
410714.21	3774158.13	63.16485	(16120908)	410759.21	3774158.13	61.41133	(16120908)
410804.21	3774158.13	58.88223	(16120908)	410849.21	3774158.13	55.81952	(16120908)
410894.21	3774158.13	52.35056	(16120908)	410939.21	3774158.13	48.63984	(16120908)
410984.21	3774158.13	44.85316	(16120908)	411029.21	3774158.13	41.12660	(16120908)
411074.21	3774158.13	37.58607	(16120908)	411119.21	3774158.13	34.29848	(16120908)
411164.21	3774158.13	31.29870	(16120908)	411209.21	3774158.13	28.58560	(16120908)
411254.21	3774158.13	26.14904	(16120908)	411299.21	3774158.13	23.96524	(16120908)
410264.21	3774203.13	43.03796	(16120908)	410309.21	3774203.13	48.51144	(16120908)
410354.21	3774203.13	54.11028	(16120908)	410399.21	3774203.13	67.49183	(12021515)
410444.21	3774203.13	92.89976	(12021515)	410489.21	3774203.13	119.50251	(12021515)
410534.21	3774203.13	135.22809	(12021515)	410579.21	3774203.13	130.55710	(12021515)
410624.21	3774203.13	108.70670	(12021515)	410669.21	3774203.13	82.68471	(12021515)
410714.21	3774203.13	77.82658	(16120908)	410759.21	3774203.13	75.13452	(16120908)
410804.21	3774203.13	71.39617	(16120908)	410849.21	3774203.13	67.01644	(16120908)
410894.21	3774203.13	62.13082	(16120908)	410939.21	3774203.13	56.98368	(16120908)
410984.21	3774203.13	51.79335	(16120908)	411029.21	3774203.13	46.79779	(16120908)
411074.21	3774203.13	42.16762	(16120908)	411119.21	3774203.13	37.99304	(16120908)
411164.21	3774203.13	34.28386	(16120908)	411209.21	3774203.13	31.00954	(16120908)
411254.21	3774203.13	28.12656	(16120908)	411299.21	3774203.13	25.58685	(16120908)
410264.21	3774248.13	49.75065	(16120908)	410309.21	3774248.13	57.48833	(16120908)
410354.21	3774248.13	65.47428	(16120908)	410399.21	3774248.13	73.22500	(16120908)
410444.21	3774248.13	97.16860	(12021515)	410489.21			

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 3774248.13      133.06949  (12021515)
       410534.21   3774248.13      161.81233  (12021515)                410579.21
 3774248.13      164.78527  (12021515)
       410624.21   3774248.13      140.28608  (12021515)                410669.21
 3774248.13      105.68458  (12021515)
       410714.21   3774248.13       99.10795  (16120908)                410759.21
 3774248.13       94.75527  (16120908)
       410804.21   3774248.13       88.98647  (16120908)                410849.21
 3774248.13       82.53084  (16120908)
       410894.21   3774248.13       75.47860  (16120908)                410939.21
 3774248.13       68.09250  (16120908)
       410984.21   3774248.13       60.70868  (16120908)                411029.21
 3774248.13       53.76025  (16120908)
       411074.21   3774248.13       47.55945  (16120908)                411119.21
 3774248.13       42.18888  (16120908)
       411164.21   3774248.13       37.58124  (16120908)                411209.21
 3774248.13       33.62499  (16120908)
       411254.21   3774248.13       30.21909  (16120908)                411299.21
 3774248.13       27.27375  (16120908)
       410264.21   3774293.13       58.93510  (16120908)                410309.21
 3774293.13       71.12152  (16120908)
       410354.21   3774293.13       83.31210  (16120908)                410399.21
 3774293.13       94.47606  (16120908)
       410444.21   3774293.13      104.89082  (16120908)                410489.21
 3774293.13      148.19054  (12021515)
       410534.21   3774293.13      196.18650  (12021515)                410579.21
 3774293.13      214.59920  (12021515)
       410624.21   3774293.13      188.64177  (12021515)                410669.21
 3774293.13      141.80711  (12021515)
       410714.21   3774293.13      132.39665  (16120908)                410759.21
 3774293.13      124.75121  (16120908)
       410804.21   3774293.13      115.56310  (16120908)                410849.21
 3774293.13      105.73700  (16120908)
       410894.21   3774293.13       95.26484  (16120908)                410939.21
 3774293.13       84.10186  (16120908)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01

                                  PAGE 225
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
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 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410984.21   3774293.13       72.79059  (16120908)               411029.21
 3774293.13       62.50562  (16120908)
        411074.21   3774293.13       53.90626  (16120908)               411119.21
 3774293.13       46.91236  (16120908)
        411164.21   3774293.13       41.18039  (16120908)               411209.21
 3774293.13       36.41335  (16120908)
        411254.21   3774293.13       32.75048  (12101115)               411299.21
 3774293.13       30.46348  (12101115)
        410264.21   3774338.13       72.98603  (16120908)               410309.21
 3774338.13       97.65187  (16120908)
        410354.21   3774338.13      119.32269  (16120908)               410399.21
 3774338.13      135.40851  (16120908)
        410444.21   3774338.13      149.61873  (16120908)               410489.21
 3774338.13      170.52183  (12021515)
        410534.21   3774338.13      245.19629  (12021515)               410579.21
 3774338.13      295.94174  (12021515)
        410624.21   3774338.13      271.50700  (12021515)               410669.21
 3774338.13      206.95240  (12021515)
        410714.21   3774338.13      192.11000  (16120908)               410759.21
 3774338.13      176.80362  (16120908)
        410804.21   3774338.13      161.21294  (16120908)               410849.21
 3774338.13      145.87322  (16120908)
        410894.21   3774338.13      129.85360  (16120908)               410939.21
 3774338.13      111.33110  (16120908)
        410984.21   3774338.13       90.91615  (16120908)               411029.21
 3774338.13       73.68913  (16120908)
        411074.21   3774338.13       61.26345  (16120908)               411119.21
 3774338.13       52.13590  (16120908)
        411164.21   3774338.13       45.05008  (16120908)               411209.21
 3774338.13       40.08198  (12101115)
        411254.21   3774338.13       36.16095  (12101115)               411299.21
 3774338.13       32.78025  (12101115)
        410264.21   3774383.13       96.27348  (16120908)               410309.21
 3774383.13      208.76267  (16120908)
        410354.21   3774383.13      258.97576  (16120908)               410399.21
 3774383.13      275.89465  (16120908)
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       410444.21   3774383.13      289.75235  (16120908)                410489.21
 3774383.13      306.65026  (16120908)
       410534.21   3774383.13      355.03117  (12021515)                410579.21
 3774383.13      484.31975  (12021515)
       410624.21   3774383.13      461.99614  (12021515)                410669.21
 3774383.13      377.86346  (16120908)
       410714.21   3774383.13      343.43197  (16120908)                410759.21
 3774383.13      305.05802  (16120908)
       410804.21   3774383.13      274.29931  (16120908)                410849.21
 3774383.13      248.42645  (16120908)
       410894.21   3774383.13      222.39816  (16120908)                410939.21
 3774383.13      185.07625  (16120908)
       410984.21   3774383.13      124.42098  (16120908)                411029.21
 3774383.13       87.39545  (16120908)
       411074.21   3774383.13       69.36838  (16120908)                411119.21
 3774383.13       57.77562  (16120908)
       411164.21   3774383.13       49.15346  (16120908)                411209.21
 3774383.13       42.36822  (16120908)
       411254.21   3774383.13       36.90532  (16120908)                411299.21
 3774383.13       32.87222  (12101115)
       410264.21   3774428.13       99.07862  (16120908)                410309.21
 3774428.13      217.77864  (16120908)
       410354.21   3774428.13      286.37636  (16120908)                410399.21
 3774428.13      324.06175  (16120908)
       410444.21   3774428.13      360.84594  (16120908)                410489.21
 3774428.13      408.50120  (16120908)
       410534.21   3774428.13      486.43583  (16120908)                410579.21
 3774428.13      720.27324  (16120908)
       410264.21   3774473.13       79.57249  (16120908)                410309.21
 3774473.13      107.73291  (16120908)
       410354.21   3774473.13      135.56478  (16120908)                410399.21
 3774473.13      161.20164  (16120908)
       410444.21   3774473.13      191.41686  (16120908)                410489.21
 3774473.13      237.81284  (16120908)
       410534.21   3774473.13      335.06241  (16120908)                410579.21
 3774473.13      765.96967  (16120908)
       410264.21   3774518.13       68.74010  (16120908)                410309.21
 3774518.13       85.12965  (16120908)
       410354.21   3774518.13      103.96520  (16120908)                410399.21
 3774518.13      126.08791  (16120908)
       410444.21   3774518.13      156.11073  (16120908)                410489.21
 3774518.13      205.60498  (16120908)
       410534.21   3774518.13      313.00746  (16120908)                410579.21
 3774518.13      742.48188  (16120908)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Cons\Irwindale_Cons.isc               ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        11:33:01
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410264.21   3774563.13       62.09717  (16120908)               410309.21
 3774563.13       74.58998  (16120908)
        410354.21   3774563.13       89.92270  (16120908)               410399.21
 3774563.13      109.59188  (16120908)
        410444.21   3774563.13      137.66663  (16120908)               410489.21
 3774563.13      184.48935  (16120908)
        410534.21   3774563.13      283.79703  (16120908)               410579.21
 3774563.13      672.38812  (16120908)
        410264.21   3774608.13       57.19636  (16120908)               410309.21
 3774608.13       67.63490  (16120908)
        410354.21   3774608.13       80.75322  (16120908)               410399.21
 3774608.13       97.95767  (16120908)
        410444.21   3774608.13      122.37168  (16120908)               410489.21
 3774608.13      161.18017  (16120908)
        410534.21   3774608.13      235.21081  (16120908)               410579.21
 3774608.13      458.05515  (16120908)
        410624.21   3774608.13      624.77212  (16120908)               410759.21
 3774608.13      389.73741  (16120908)
        410804.21   3774608.13      268.60628  (16120908)               410354.21
 3774653.13       73.28101  (16120908)
        410399.21   3774653.13       87.84898  (16120908)               410444.21
 3774653.13      107.76716  (16120908)
        410489.21   3774653.13      136.77926  (16120908)               410534.21
 3774653.13      182.17845  (16120908)
        410579.21   3774653.13      255.78786  (16120908)               410624.21
 3774653.13      351.77953  (16120908)
        410669.21   3774653.13      463.40073  (16120908)               410714.21
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3774653.13   534.70552 (16120908)
       410759.21   3774653.13   469.29794 (16120908)   410804.21
3774653.13   304.60232 (16120908)
       410354.21   3774698.13   66.61472 (16120908)   410399.21
3774698.13   78.71303 (16120908)
       410444.21   3774698.13   94.44142 (16120908)   410489.21
3774698.13   115.41993 (16120908)
       410534.21   3774698.13   143.64478 (16120908)   410579.21
3774698.13   180.06394 (16120908)
       410624.21   3774698.13   222.75428 (16120908)   410669.21
3774698.13   274.59293 (16120908)
       410714.21   3774698.13   375.36153 (16120908)   410759.21
3774698.13   460.15542 (16120908)
       410804.21   3774698.13   454.08948 (16120908)   410444.21
3774743.13   82.89293 (16120908)
       410489.21   3774743.13   98.45375 (16120908)   410534.21
3774743.13   117.84394 (16120908)
       410579.21   3774743.13   141.36077 (16120908)   410624.21
3774743.13   169.15993 (16120908)
       410669.21   3774743.13   203.84119 (16120908)   410714.21
3774743.13   256.25564 (16120908)
       410759.21   3774743.13   368.15723 (16120908)   410804.21
3774743.13   491.67853 (16120908)
       410444.21   3774788.13   73.15729 (16120908)   410489.21
3774788.13   85.24397 (16120908)
       410534.21   3774788.13   100.00299 (16120908)   410579.21
3774788.13   118.15139 (16120908)
       410624.21   3774788.13   141.16314 (16120908)   410669.21
3774788.13   172.55340 (16120908)
       410714.21   3774788.13   220.80766 (16120908)   410759.21
3774788.13   311.18076 (16120908)
       410804.21   3774788.13   589.86162 (16120908)   410489.21
3774833.13   74.73175 (16120908)
       410534.21   3774833.13   86.84876 (16120908)   410579.21
3774833.13   102.65812 (16120908)
       410624.21   3774833.13   125.61434 (16120908)   410669.21
3774833.13   164.61745 (16120908)
       410714.21   3774833.13   244.12518 (16120908)   410759.21
3774833.13   511.54656 (16120908)
       410489.21   3774878.13   65.97145 (16120908)   410534.21
3774878.13   76.23030 (16120908)
       410579.21   3774878.13   90.54618 (16120908)   410624.21
3774878.13   115.17095 (16120908)
       410669.21   3774878.13   179.01816 (16120908)   410714.21
3774878.13   369.15457 (16120908)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK AVERAGE CONC		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ARROW	1ST HIGHEST VALUE IS	25.08440	AT (410759.21, 3774833.13, 128.64, 157.24, 0.00)	DC	
	2ND HIGHEST VALUE IS	23.29668	AT (410804.21, 3774788.13, 129.22, 157.24, 0.00)	DC	
	3RD HIGHEST VALUE IS	17.82582	AT (410714.21, 3774878.13, 129.12, 157.24, 0.00)	DC	
	4TH HIGHEST VALUE IS	6.94696	AT (410759.21, 3774788.13, 127.63, 157.24, 0.00)	DC	
	5TH HIGHEST VALUE IS	6.81423	AT (410804.21, 3774743.13, 128.59, 157.16, 0.00)	DC	
	6TH HIGHEST VALUE IS	6.74383	AT (410714.21, 3774833.13, 127.55, 157.24, 0.00)	DC	
	7TH HIGHEST VALUE IS	4.89064	AT (410669.21, 3774878.13, 127.40, 157.24, 0.00)	DC	
	8TH HIGHEST VALUE IS	3.45095	AT (410759.21, 3774743.13, 127.59, 157.24, 0.00)	DC	
	9TH HIGHEST VALUE IS	3.41526	AT (410804.21, 3774698.13, 128.90, 157.16, 0.00)	DC	
	10TH HIGHEST VALUE IS	3.33104	AT (410714.21, 3774788.13, 126.63, 157.24, 0.00)	DC	
LIVEOAK	1ST HIGHEST VALUE IS	19.30896	AT (410579.21, 3774428.13, 125.27, 125.27, 0.00)	DC	
	2ND HIGHEST VALUE IS	18.10146	AT (410534.21, 3774428.13, 125.02, 125.02, 0.00)	DC	
	3RD HIGHEST VALUE IS	16.98638	AT (410489.21, 3774428.13, 124.81, 124.81, 0.00)	DC	
	4TH HIGHEST VALUE IS	15.89659	AT (410444.21, 3774428.13, 124.58, 124.58, 0.00)	DC	
	5TH HIGHEST VALUE IS	14.77051	AT (410399.21, 3774428.13, 124.58, 124.58, 0.00)	DC	
	6TH HIGHEST VALUE IS	13.28711	AT (410354.21, 3774428.13, 124.41, 124.41, 0.00)	DC	

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          7TH HIGHEST VALUE IS      11.61803 AT (  410399.21,  3774383.13,
124.16,   124.16,    0.00)  DC
          8TH HIGHEST VALUE IS      11.54125 AT (  410354.21,  3774383.13,
123.75,   123.75,    0.00)  DC
          9TH HIGHEST VALUE IS      11.36077 AT (  410444.21,  3774383.13,
124.54,   124.54,    0.00)  DC
         10TH HIGHEST VALUE IS      10.98997 AT (  410489.21,  3774383.13,
124.39,   124.39,    0.00)  DC

STEWARTR  1ST HIGHEST VALUE IS      25.77116 AT (  410579.21,  3774473.13,
125.72,   125.72,    0.00)  DC
          2ND HIGHEST VALUE IS      25.37966 AT (  410579.21,  3774518.13,
126.51,   126.51,    0.00)  DC
          3RD HIGHEST VALUE IS      24.02504 AT (  410579.21,  3774563.13,
126.58,   126.58,    0.00)  DC
          4TH HIGHEST VALUE IS      19.52716 AT (  410714.21,  3774653.13,
127.28,   127.28,    0.00)  DC
          5TH HIGHEST VALUE IS      19.19341 AT (  410624.21,  3774608.13,
126.81,   126.81,    0.00)  DC
          6TH HIGHEST VALUE IS      17.52152 AT (  410759.21,  3774698.13,
128.25,   157.16,    0.00)  DC
          7TH HIGHEST VALUE IS      16.19496 AT (  410804.21,  3774743.13,
128.59,   157.16,    0.00)  DC
          8TH HIGHEST VALUE IS      15.72526 AT (  410759.21,  3774653.13,
127.85,   157.16,    0.00)  DC
          9TH HIGHEST VALUE IS      15.54315 AT (  410804.21,  3774698.13,
128.90,   157.16,    0.00)  DC
         10TH HIGHEST VALUE IS      14.31054 AT (  410579.21,  3774608.13,
127.00,   127.00,    0.00)  DC

ONSITE    1ST HIGHEST VALUE IS      10.08931 AT (  410579.21,  3774518.13,
126.51,   126.51,    0.00)  DC
          2ND HIGHEST VALUE IS       9.81691 AT (  410579.21,  3774473.13,
125.72,   125.72,    0.00)  DC
          3RD HIGHEST VALUE IS       9.66153 AT (  410624.21,  3774608.13,
126.81,   126.81,    0.00)  DC
          4TH HIGHEST VALUE IS       7.94337 AT (  410579.21,  3774563.13,
126.58,   126.58,    0.00)  DC
          5TH HIGHEST VALUE IS       7.62891 AT (  410759.21,  3774608.13,
127.94,   127.94,    0.00)  DC
          6TH HIGHEST VALUE IS       5.63482 AT (  410579.21,  3774428.13,
125.27,   125.27,    0.00)  DC
          7TH HIGHEST VALUE IS       4.88004 AT (  410714.21,  3774653.13,
127.28,   127.28,    0.00)  DC
          8TH HIGHEST VALUE IS       4.78357 AT (  410669.21,  3774653.13,
127.40,   127.40,    0.00)  DC
          9TH HIGHEST VALUE IS       4.40229 AT (  410579.21,  3774608.13,
127.00,   127.00,    0.00)  DC
         10TH HIGHEST VALUE IS       4.09619 AT (  410669.21,  3774383.13,
125.67,   125.67,    0.00)  DC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	40.26052	AT (410579.21, 3774473.13, 125.72, 125.72, 0.00)	DC	
	2ND HIGHEST VALUE IS	38.59406	AT (410579.21, 3774428.13, 125.27, 125.27, 0.00)	DC	
	3RD HIGHEST VALUE IS	37.89168	AT (410579.21, 3774518.13, 126.51, 126.51, 0.00)	DC	
	4TH HIGHEST VALUE IS	33.57309	AT (410579.21, 3774563.13, 126.58, 126.58, 0.00)	DC	
	5TH HIGHEST VALUE IS	31.30505	AT (410804.21, 3774788.13, 129.22, 157.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	30.20733	AT (410624.21, 3774608.13, 126.81, 126.81, 0.00)	DC	
	7TH HIGHEST VALUE IS	27.65331	AT (410759.21, 3774833.13, 128.64, 157.24, 0.00)	DC	
	8TH HIGHEST VALUE IS	26.08010	AT (410714.21, 3774653.13, 127.28, 127.28, 0.00)	DC	
	9TH HIGHEST VALUE IS	24.38682	AT (410804.21, 3774743.13, 128.59, 157.16, 0.00)	DC	
	10TH HIGHEST VALUE IS	23.69916	AT (410534.21, 3774428.13, 125.02, 125.02, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE	NETWORK CONC OF TYPE	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	GRID-ID
ARROW	HIGH 1ST HIGH VALUE IS	416.98306	ON 16120908:	AT (410759.21, 3774833.13, 128.64, 157.24, 0.00)	DC
LIVEOAK	HIGH 1ST HIGH VALUE IS	326.03036	ON 16120908:	AT (410579.21, 3774428.13, 125.27, 125.27, 0.00)	DC
STEWARTR	HIGH 1ST HIGH VALUE IS	427.91808	ON 16120908:	AT (410579.21, 3774518.13, 126.51, 126.51, 0.00)	DC
ONSITE	HIGH 1ST HIGH VALUE IS	232.95866	ON 16120908:	AT (410579.21, 3774518.13, 126.51, 126.51, 0.00)	DC
ALL	HIGH 1ST HIGH VALUE IS	765.96967	ON 16120908:	AT (410579.21, 3774473.13, 125.72, 125.72, 0.00)	DC

*** RECEPTOR TYPES: GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART
                     DP = DISCPOLR

*** Message Summary : AERMOD Model Execution ***

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

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of         1684 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of           75 Calm Hours Identified

A Total of         1609 Missing Hours Identified (  3.67 Percent)


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


   ********   WARNING MESSAGES   ********
ME W186    2538       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187    2538       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 1/8/2024
** File: C:\Lakes\AERMOD View\Irwindale_Cons\Irwindale_Cons.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Irwindale_Cons\Irwindale_Cons.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 9818605 Los_Angeles
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Irwindale_Cons.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Offsite Live Oak
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 410294.510, 3774405.509, 123.03, 3.40, 6.51
** 410959.390, 3774421.298, 128.04, 3.40, 6.51
** ------------------------------------------------------------------------
   LOCATION L0000001     VOLUME   410301.508 3774405.675 123.34
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   LOCATION L0000002     VOLUME   410315.504 3774406.008 123.58
   LOCATION L0000003     VOLUME   410329.501 3774406.340 123.74
   LOCATION L0000004     VOLUME   410343.497 3774406.672 123.89
   LOCATION L0000005     VOLUME   410357.493 3774407.005 124.07
   LOCATION L0000006     VOLUME   410371.489 3774407.337 124.23
   LOCATION L0000007     VOLUME   410385.485 3774407.669 124.37
   LOCATION L0000008     VOLUME   410399.481 3774408.002 124.46
   LOCATION L0000009     VOLUME   410413.477 3774408.334 124.49
   LOCATION L0000010     VOLUME   410427.473 3774408.667 124.55
   LOCATION L0000011     VOLUME   410441.469 3774408.999 124.64
   LOCATION L0000012     VOLUME   410455.465 3774409.331 124.66
   LOCATION L0000013     VOLUME   410469.461 3774409.664 124.67
   LOCATION L0000014     VOLUME   410483.457 3774409.996 124.67
   LOCATION L0000015     VOLUME   410497.453 3774410.328 124.68
   LOCATION L0000016     VOLUME   410511.449 3774410.661 124.73
   LOCATION L0000017     VOLUME   410525.445 3774410.993 124.79
   LOCATION L0000018     VOLUME   410539.441 3774411.325 124.87
   LOCATION L0000019     VOLUME   410553.437 3774411.658 124.96
   LOCATION L0000020     VOLUME   410567.433 3774411.990 125.06
   LOCATION L0000021     VOLUME   410581.430 3774412.323 125.14
   LOCATION L0000022     VOLUME   410595.426 3774412.655 125.20
   LOCATION L0000023     VOLUME   410609.422 3774412.987 125.33
   LOCATION L0000024     VOLUME   410623.418 3774413.320 125.47
   LOCATION L0000025     VOLUME   410637.414 3774413.652 125.56
   LOCATION L0000026     VOLUME   410651.410 3774413.984 125.64
   LOCATION L0000027     VOLUME   410665.406 3774414.317 125.69
   LOCATION L0000028     VOLUME   410679.402 3774414.649 125.77
   LOCATION L0000029     VOLUME   410693.398 3774414.981 125.93
   LOCATION L0000030     VOLUME   410707.394 3774415.314 126.08
   LOCATION L0000031     VOLUME   410721.390 3774415.646 126.22
   LOCATION L0000032     VOLUME   410735.386 3774415.978 126.29
   LOCATION L0000033     VOLUME   410749.382 3774416.311 126.33
   LOCATION L0000034     VOLUME   410763.378 3774416.643 126.39
   LOCATION L0000035     VOLUME   410777.374 3774416.976 126.47
   LOCATION L0000036     VOLUME   410791.370 3774417.308 126.61
   LOCATION L0000037     VOLUME   410805.366 3774417.640 126.75
   LOCATION L0000038     VOLUME   410819.362 3774417.973 126.88
   LOCATION L0000039     VOLUME   410833.358 3774418.305 126.99
   LOCATION L0000040     VOLUME   410847.355 3774418.637 127.08
   LOCATION L0000041     VOLUME   410861.351 3774418.970 127.19
   LOCATION L0000042     VOLUME   410875.347 3774419.302 127.31
   LOCATION L0000043     VOLUME   410889.343 3774419.634 127.42
   LOCATION L0000044     VOLUME   410903.339 3774419.967 127.54
   LOCATION L0000045     VOLUME   410917.335 3774420.299 127.67
   LOCATION L0000046     VOLUME   410931.331 3774420.632 127.80
   LOCATION L0000047     VOLUME   410945.327 3774420.964 127.94
   LOCATION L0000048     VOLUME   410959.323 3774421.296 128.06
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
```

```
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Offsite Stewart Rivergrade
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 4
** 410592.871, 3774430.406, 125.35, 3.40, 6.51
** 410597.941, 3774598.987, 126.56, 3.40, 6.51
** 410686.668, 3774619.902, 127.25, 3.40, 6.51
** 410837.503, 3774767.568, 129.18, 3.40, 6.51
** ----------------------------------------------------------------
   LOCATION L0000049     VOLUME   410593.081 3774437.403 125.48
   LOCATION L0000050     VOLUME   410593.502 3774451.397 125.69
   LOCATION L0000051     VOLUME   410593.923 3774465.391 125.91
   LOCATION L0000052     VOLUME   410594.344 3774479.384 126.15
   LOCATION L0000053     VOLUME   410594.765 3774493.378 126.38
   LOCATION L0000054     VOLUME   410595.186 3774507.372 126.61
   LOCATION L0000055     VOLUME   410595.606 3774521.365 126.73
   LOCATION L0000056     VOLUME   410596.027 3774535.359 126.72
   LOCATION L0000057     VOLUME   410596.448 3774549.353 126.69
   LOCATION L0000058     VOLUME   410596.869 3774563.346 126.58
   LOCATION L0000059     VOLUME   410597.290 3774577.340 126.47
   LOCATION L0000060     VOLUME   410597.711 3774591.334 126.51
   LOCATION L0000061     VOLUME   410604.114 3774600.443 126.59
   LOCATION L0000062     VOLUME   410617.741 3774603.655 126.77
   LOCATION L0000063     VOLUME   410631.368 3774606.867 126.82
   LOCATION L0000064     VOLUME   410644.994 3774610.079 126.85
   LOCATION L0000065     VOLUME   410658.621 3774613.290 126.95
   LOCATION L0000066     VOLUME   410672.247 3774616.502 127.11
   LOCATION L0000067     VOLUME   410685.874 3774619.714 127.34
   LOCATION L0000068     VOLUME   410696.089 3774629.125 127.31
   LOCATION L0000069     VOLUME   410706.093 3774638.919 127.08
   LOCATION L0000070     VOLUME   410716.097 3774648.712 127.23
   LOCATION L0000071     VOLUME   410726.101 3774658.506 127.35
   LOCATION L0000072     VOLUME   410736.105 3774668.300 127.47
   LOCATION L0000073     VOLUME   410746.109 3774678.094 127.70
   LOCATION L0000074     VOLUME   410756.113 3774687.888 128.05
   LOCATION L0000075     VOLUME   410766.117 3774697.682 128.18
   LOCATION L0000076     VOLUME   410776.121 3774707.476 128.05
   LOCATION L0000077     VOLUME   410786.125 3774717.269 128.22
   LOCATION L0000078     VOLUME   410796.129 3774727.063 128.41
   LOCATION L0000079     VOLUME   410806.133 3774736.857 128.62
   LOCATION L0000080     VOLUME   410816.137 3774746.651 128.81
   LOCATION L0000081     VOLUME   410826.141 3774756.445 129.04
   LOCATION L0000082     VOLUME   410836.145 3774766.239 129.45
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Offsite Arrow
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 410690.788, 3774919.170, 129.78, 3.40, 6.51
** 411057.448, 3774570.721, 130.01, 3.40, 6.51
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   LOCATION L0000083     VOLUME   410695.862 3774914.348 129.99
   LOCATION L0000084     VOLUME   410706.010 3774904.704 129.78
   LOCATION L0000085     VOLUME   410716.158 3774895.059 130.15
   LOCATION L0000086     VOLUME   410726.307 3774885.415 129.91
   LOCATION L0000087     VOLUME   410736.455 3774875.771 130.06
   LOCATION L0000088     VOLUME   410746.603 3774866.127 130.22
   LOCATION L0000089     VOLUME   410756.752 3774856.482 129.96
   LOCATION L0000090     VOLUME   410766.900 3774846.838 129.34
   LOCATION L0000091     VOLUME   410777.048 3774837.194 129.38
   LOCATION L0000092     VOLUME   410787.197 3774827.550 129.83
   LOCATION L0000093     VOLUME   410797.345 3774817.905 129.50
   LOCATION L0000094     VOLUME   410807.493 3774808.261 129.63
   LOCATION L0000095     VOLUME   410817.641 3774798.617 130.00
   LOCATION L0000096     VOLUME   410827.790 3774788.973 129.51
   LOCATION L0000097     VOLUME   410837.938 3774779.328 130.00
   LOCATION L0000098     VOLUME   410848.086 3774769.684 130.20
   LOCATION L0000099     VOLUME   410858.235 3774760.040 129.74
   LOCATION L0000100     VOLUME   410868.383 3774750.395 130.01
   LOCATION L0000101     VOLUME   410878.531 3774740.751 130.06
   LOCATION L0000102     VOLUME   410888.680 3774731.107 129.80
   LOCATION L0000103     VOLUME   410898.828 3774721.463 129.60
   LOCATION L0000104     VOLUME   410908.976 3774711.818 129.77
   LOCATION L0000105     VOLUME   410919.125 3774702.174 130.05
   LOCATION L0000106     VOLUME   410929.273 3774692.530 129.70
   LOCATION L0000107     VOLUME   410939.421 3774682.886 130.26
   LOCATION L0000108     VOLUME   410949.570 3774673.241 130.37
   LOCATION L0000109     VOLUME   410959.718 3774663.597 129.89
   LOCATION L0000110     VOLUME   410969.866 3774653.953 130.29
   LOCATION L0000111     VOLUME   410980.015 3774644.309 130.27
   LOCATION L0000112     VOLUME   410990.163 3774634.664 129.87
   LOCATION L0000113     VOLUME   411000.311 3774625.020 129.87
   LOCATION L0000114     VOLUME   411010.459 3774615.376 129.95
   LOCATION L0000115     VOLUME   411020.608 3774605.732 129.96
   LOCATION L0000116     VOLUME   411030.756 3774596.087 129.88
   LOCATION L0000117     VOLUME   411040.904 3774586.443 130.29
   LOCATION L0000118     VOLUME   411051.053 3774576.799 130.28
** End of LINE VOLUME Source ID = SLINE3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Onsite
** PREFIX
** Length of Side = 16.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 12
** 410611.116, 3774565.660, 126.91, 3.40, 7.44
** 410707.645, 3774599.523, 127.74, 3.40, 7.44
** 410722.436, 3774584.733, 127.39, 3.40, 7.44
** 410611.506, 3774538.025, 126.53, 3.40, 7.44
** 410612.673, 3774520.121, 126.49, 3.40, 7.44
** 410743.065, 3774566.828, 127.43, 3.40, 7.44
** 410731.388, 3774539.193, 127.12, 3.40, 7.44
** 410610.727, 3774487.036, 126.28, 3.40, 7.44
** 410610.727, 3774464.072, 126.00, 3.40, 7.44
** 410699.471, 3774485.479, 126.55, 3.40, 7.44
** 410697.914, 3774448.114, 126.03, 3.40, 7.44
** 410612.673, 3774442.664, 125.89, 3.40, 7.44
** ------------------------------------------------------------------
   LOCATION L0000119     VOLUME   410618.665 3774568.309 126.91
   LOCATION L0000120     VOLUME   410633.763 3774573.605 127.03
   LOCATION L0000121     VOLUME   410648.861 3774578.902 126.88
   LOCATION L0000122     VOLUME   410663.959 3774584.198 126.89
   LOCATION L0000123     VOLUME   410679.057 3774589.494 126.98
   LOCATION L0000124     VOLUME   410694.155 3774594.791 127.38
   LOCATION L0000125     VOLUME   410708.850 3774598.318 127.66
   LOCATION L0000126     VOLUME   410720.164 3774587.005 127.47
   LOCATION L0000127     VOLUME   410710.651 3774579.771 127.26
   LOCATION L0000128     VOLUME   410695.905 3774573.562 126.96
   LOCATION L0000129     VOLUME   410681.158 3774567.353 126.79
   LOCATION L0000130     VOLUME   410666.412 3774561.144 126.62
   LOCATION L0000131     VOLUME   410651.666 3774554.935 126.48
   LOCATION L0000132     VOLUME   410636.920 3774548.726 126.44
   LOCATION L0000133     VOLUME   410622.174 3774542.517 126.45
   LOCATION L0000134     VOLUME   410611.794 3774533.610 126.57
   LOCATION L0000135     VOLUME   410615.010 3774520.958 126.50
   LOCATION L0000136     VOLUME   410630.073 3774526.353 126.39
   LOCATION L0000137     VOLUME   410645.136 3774531.749 126.39
   LOCATION L0000138     VOLUME   410660.199 3774537.145 126.35
   LOCATION L0000139     VOLUME   410675.261 3774542.540 126.33
   LOCATION L0000140     VOLUME   410690.324 3774547.936 126.54
   LOCATION L0000141     VOLUME   410705.387 3774553.332 126.80
   LOCATION L0000142     VOLUME   410720.450 3774558.727 127.13
   LOCATION L0000143     VOLUME   410735.512 3774564.123 127.50
   LOCATION L0000144     VOLUME   410739.960 3774559.479 127.56
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   LOCATION L0000145     VOLUME   410733.732 3774544.741 127.26
   LOCATION L0000146     VOLUME   410722.230 3774535.234 127.02
   LOCATION L0000147     VOLUME   410707.543 3774528.886 126.66
   LOCATION L0000148     VOLUME   410692.857 3774522.537 126.43
   LOCATION L0000149     VOLUME   410678.170 3774516.189 126.44
   LOCATION L0000150     VOLUME   410663.483 3774509.841 126.48
   LOCATION L0000151     VOLUME   410648.797 3774503.492 126.49
   LOCATION L0000152     VOLUME   410634.110 3774497.144 126.37
   LOCATION L0000153     VOLUME   410619.423 3774490.795 126.30
   LOCATION L0000154     VOLUME   410610.727 3774480.510 126.24
   LOCATION L0000155     VOLUME   410610.727 3774464.510 126.06
   LOCATION L0000156     VOLUME   410625.855 3774467.721 126.18
   LOCATION L0000157     VOLUME   410641.409 3774471.473 126.31
   LOCATION L0000158     VOLUME   410656.963 3774475.225 126.42
   LOCATION L0000159     VOLUME   410672.517 3774478.977 126.48
   LOCATION L0000160     VOLUME   410688.070 3774482.729 126.54
   LOCATION L0000161     VOLUME   410699.293 3774481.211 126.54
   LOCATION L0000162     VOLUME   410698.627 3774465.225 126.42
   LOCATION L0000163     VOLUME   410697.961 3774449.239 126.30
   LOCATION L0000164     VOLUME   410683.071 3774447.165 126.17
   LOCATION L0000165     VOLUME   410667.103 3774446.144 126.08
   LOCATION L0000166     VOLUME   410651.136 3774445.123 126.02
   LOCATION L0000167     VOLUME   410635.169 3774444.102 125.93
   LOCATION L0000168     VOLUME   410619.201 3774443.082 125.82
** End of LINE VOLUME Source ID = SLINE4
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000002     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000003     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000004     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000005     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000006     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000007     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000008     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000009     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000010     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000011     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000012     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000013     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000014     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000015     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000016     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000017     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000018     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000019     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000020     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000021     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000022     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000023     0.0208333333      3.40      6.51      3.16
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   SRCPARAM L0000024     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000025     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000026     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000027     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000028     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000029     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000030     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000031     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000032     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000033     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000034     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000035     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000036     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000037     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000038     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000039     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000040     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000041     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000042     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000043     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000044     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000045     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000046     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000047     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000048     0.0208333333      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000049     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000050     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000051     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000052     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000053     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000054     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000055     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000056     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000057     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000058     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000059     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000060     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000061     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000062     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000063     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000064     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000065     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000066     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000067     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000068     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000069     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000070     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000071     0.0294117647      3.40      6.51      3.16
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   SRCPARAM L0000072     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000073     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000074     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000075     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000076     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000077     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000078     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000079     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000080     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000081     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000082     0.0294117647      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000083     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000084     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000085     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000086     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000087     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000088     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000089     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000090     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000091     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000092     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000093     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000094     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000095     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000096     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000097     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000098     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000099     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000100     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000101     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000102     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000103     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000104     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000105     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000106     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000107     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000108     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000109     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000110     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000111     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000112     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000113     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000114     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000115     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000116     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000117     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000118     0.0277777778      3.40      6.51      3.16
** ------------------------------------------------------------------
```

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** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000119          0.02      3.40      7.44      3.16
   SRCPARAM L0000120          0.02      3.40      7.44      3.16
   SRCPARAM L0000121          0.02      3.40      7.44      3.16
   SRCPARAM L0000122          0.02      3.40      7.44      3.16
   SRCPARAM L0000123          0.02      3.40      7.44      3.16
   SRCPARAM L0000124          0.02      3.40      7.44      3.16
   SRCPARAM L0000125          0.02      3.40      7.44      3.16
   SRCPARAM L0000126          0.02      3.40      7.44      3.16
   SRCPARAM L0000127          0.02      3.40      7.44      3.16
   SRCPARAM L0000128          0.02      3.40      7.44      3.16
   SRCPARAM L0000129          0.02      3.40      7.44      3.16
   SRCPARAM L0000130          0.02      3.40      7.44      3.16
   SRCPARAM L0000131          0.02      3.40      7.44      3.16
   SRCPARAM L0000132          0.02      3.40      7.44      3.16
   SRCPARAM L0000133          0.02      3.40      7.44      3.16
   SRCPARAM L0000134          0.02      3.40      7.44      3.16
   SRCPARAM L0000135          0.02      3.40      7.44      3.16
   SRCPARAM L0000136          0.02      3.40      7.44      3.16
   SRCPARAM L0000137          0.02      3.40      7.44      3.16
   SRCPARAM L0000138          0.02      3.40      7.44      3.16
   SRCPARAM L0000139          0.02      3.40      7.44      3.16
   SRCPARAM L0000140          0.02      3.40      7.44      3.16
   SRCPARAM L0000141          0.02      3.40      7.44      3.16
   SRCPARAM L0000142          0.02      3.40      7.44      3.16
   SRCPARAM L0000143          0.02      3.40      7.44      3.16
   SRCPARAM L0000144          0.02      3.40      7.44      3.16
   SRCPARAM L0000145          0.02      3.40      7.44      3.16
   SRCPARAM L0000146          0.02      3.40      7.44      3.16
   SRCPARAM L0000147          0.02      3.40      7.44      3.16
   SRCPARAM L0000148          0.02      3.40      7.44      3.16
   SRCPARAM L0000149          0.02      3.40      7.44      3.16
   SRCPARAM L0000150          0.02      3.40      7.44      3.16
   SRCPARAM L0000151          0.02      3.40      7.44      3.16
   SRCPARAM L0000152          0.02      3.40      7.44      3.16
   SRCPARAM L0000153          0.02      3.40      7.44      3.16
   SRCPARAM L0000154          0.02      3.40      7.44      3.16
   SRCPARAM L0000155          0.02      3.40      7.44      3.16
   SRCPARAM L0000156          0.02      3.40      7.44      3.16
   SRCPARAM L0000157          0.02      3.40      7.44      3.16
   SRCPARAM L0000158          0.02      3.40      7.44      3.16
   SRCPARAM L0000159          0.02      3.40      7.44      3.16
   SRCPARAM L0000160          0.02      3.40      7.44      3.16
   SRCPARAM L0000161          0.02      3.40      7.44      3.16
   SRCPARAM L0000162          0.02      3.40      7.44      3.16
   SRCPARAM L0000163          0.02      3.40      7.44      3.16
   SRCPARAM L0000164          0.02      3.40      7.44      3.16
   SRCPARAM L0000165          0.02      3.40      7.44      3.16
   SRCPARAM L0000166          0.02      3.40      7.44      3.16
   SRCPARAM L0000167          0.02      3.40      7.44      3.16
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   SRCPARAM L0000168          0.02      3.40      7.44      3.16
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Cons"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000009     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000010     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000011     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000017     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000019     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000020     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000021     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000022     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000023     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000024     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000024     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000025     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000026     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000027     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000028     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000029     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000030     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000031     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000032     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000033     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000034     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000035     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000036     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000037     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000038     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000039     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000040     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000041     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000042     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000043     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000043     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000044     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000045     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000045     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000046     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000046     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000047     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000047     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000048     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
```

```
EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000064     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000065     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000066     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000077     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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** Saturday:
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   EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000083     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000084     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000084     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000085     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000085     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000086     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000086     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000087     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000089     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000089     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000090     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000092     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000108     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000108     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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** Saturday:
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   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000098     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000098     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000098     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000119     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000120     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000121     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000122     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000124     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000124     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000125     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000125     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000126     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000126     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000127     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000127     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000128     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000129     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000129     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000130     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000130     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000131     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000132     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000166     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000166     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000166     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000167     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000167     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000167     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000167     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000168     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000168     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000168     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000168     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP Arrow    L0000083 L0000084 L0000085 L0000086 L0000087 L0000088
SRCGROUP Arrow    L0000089 L0000090 L0000091 L0000092 L0000093 L0000094
SRCGROUP Arrow    L0000095 L0000096 L0000097 L0000098 L0000099 L0000100
SRCGROUP Arrow    L0000101 L0000102 L0000103 L0000104 L0000105 L0000106
SRCGROUP Arrow    L0000107 L0000108 L0000109 L0000110 L0000111 L0000112
SRCGROUP Arrow    L0000113 L0000114 L0000115 L0000116 L0000117 L0000118
SRCGROUP LiveOak  L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
SRCGROUP LiveOak  L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
SRCGROUP LiveOak  L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
SRCGROUP LiveOak  L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
SRCGROUP LiveOak  L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
SRCGROUP LiveOak  L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
SRCGROUP LiveOak  L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
SRCGROUP LiveOak  L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
SRCGROUP StewartR L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
SRCGROUP StewartR L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
```

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   SRCGROUP StewartR L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
   SRCGROUP StewartR L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
   SRCGROUP StewartR L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
   SRCGROUP StewartR L0000079 L0000080 L0000081 L0000082
   SRCGROUP Onsite   L0000119 L0000120 L0000121 L0000122 L0000123 L0000124
   SRCGROUP Onsite   L0000125 L0000126 L0000127 L0000128 L0000129 L0000130
   SRCGROUP Onsite   L0000131 L0000132 L0000133 L0000134 L0000135 L0000136
   SRCGROUP Onsite   L0000137 L0000138 L0000139 L0000140 L0000141 L0000142
   SRCGROUP Onsite   L0000143 L0000144 L0000145 L0000146 L0000147 L0000148
   SRCGROUP Onsite   L0000149 L0000150 L0000151 L0000152 L0000153 L0000154
   SRCGROUP Onsite   L0000155 L0000156 L0000157 L0000158 L0000159 L0000160
   SRCGROUP Onsite   L0000161 L0000162 L0000163 L0000164 L0000165 L0000166
   SRCGROUP Onsite   L0000167 L0000168
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Irwindale_Cons.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE AZUS_V9_ADJU\AZUS_v9.SFC
   PROFFILE AZUS_V9_ADJU\AZUS_v9.PFL
   SURFDATA 3179 2012 Azusa
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 182.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST Irwindale_Cons.AD\01H1GALL.PLT 31
   PLOTFILE 1 Arrow 1ST Irwindale_Cons.AD\01H1G001.PLT 32
```

```
   PLOTFILE 1 LiveOak 1ST Irwindale_Cons.AD\01H1G002.PLT 33
   PLOTFILE 1 StewartR 1ST Irwindale_Cons.AD\01H1G003.PLT 34
   PLOTFILE 1 Onsite 1ST Irwindale_Cons.AD\01H1G004.PLT 35
   PLOTFILE PERIOD ALL Irwindale_Cons.AD\PE00GALL.PLT 36
   PLOTFILE PERIOD Arrow Irwindale_Cons.AD\PE00G001.PLT 37
   PLOTFILE PERIOD LiveOak Irwindale_Cons.AD\PE00G002.PLT 38
   PLOTFILE PERIOD StewartR Irwindale_Cons.AD\PE00G003.PLT 39
   PLOTFILE PERIOD Onsite Irwindale_Cons.AD\PE00G004.PLT 40
   SUMMFILE Irwindale_Cons.sum
OU FINISHED
**
************************************
** Project Parameters
************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 1/8/2024
** File: C:\Lakes\AERMOD View\Irwindale_Ops\Irwindale_Ops.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Irwindale_Ops\Irwindale_Ops.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 9818605 Los_Angeles
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Irwindale_Ops.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Offsite Live Oak
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 410294.510, 3774405.509, 123.03, 3.40, 6.51
** 410959.390, 3774421.298, 128.04, 3.40, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000001     VOLUME   410301.508 3774405.675 123.34
```

```
   LOCATION L0000002     VOLUME   410315.504 3774406.008 123.58
   LOCATION L0000003     VOLUME   410329.501 3774406.340 123.74
   LOCATION L0000004     VOLUME   410343.497 3774406.672 123.89
   LOCATION L0000005     VOLUME   410357.493 3774407.005 124.07
   LOCATION L0000006     VOLUME   410371.489 3774407.337 124.23
   LOCATION L0000007     VOLUME   410385.485 3774407.669 124.37
   LOCATION L0000008     VOLUME   410399.481 3774408.002 124.46
   LOCATION L0000009     VOLUME   410413.477 3774408.334 124.49
   LOCATION L0000010     VOLUME   410427.473 3774408.667 124.55
   LOCATION L0000011     VOLUME   410441.469 3774408.999 124.64
   LOCATION L0000012     VOLUME   410455.465 3774409.331 124.66
   LOCATION L0000013     VOLUME   410469.461 3774409.664 124.67
   LOCATION L0000014     VOLUME   410483.457 3774409.996 124.67
   LOCATION L0000015     VOLUME   410497.453 3774410.328 124.68
   LOCATION L0000016     VOLUME   410511.449 3774410.661 124.73
   LOCATION L0000017     VOLUME   410525.445 3774410.993 124.79
   LOCATION L0000018     VOLUME   410539.441 3774411.325 124.87
   LOCATION L0000019     VOLUME   410553.437 3774411.658 124.96
   LOCATION L0000020     VOLUME   410567.433 3774411.990 125.06
   LOCATION L0000021     VOLUME   410581.430 3774412.323 125.14
   LOCATION L0000022     VOLUME   410595.426 3774412.655 125.20
   LOCATION L0000023     VOLUME   410609.422 3774412.987 125.33
   LOCATION L0000024     VOLUME   410623.418 3774413.320 125.47
   LOCATION L0000025     VOLUME   410637.414 3774413.652 125.56
   LOCATION L0000026     VOLUME   410651.410 3774413.984 125.64
   LOCATION L0000027     VOLUME   410665.406 3774414.317 125.69
   LOCATION L0000028     VOLUME   410679.402 3774414.649 125.77
   LOCATION L0000029     VOLUME   410693.398 3774414.981 125.93
   LOCATION L0000030     VOLUME   410707.394 3774415.314 126.08
   LOCATION L0000031     VOLUME   410721.390 3774415.646 126.22
   LOCATION L0000032     VOLUME   410735.386 3774415.978 126.29
   LOCATION L0000033     VOLUME   410749.382 3774416.311 126.33
   LOCATION L0000034     VOLUME   410763.378 3774416.643 126.39
   LOCATION L0000035     VOLUME   410777.374 3774416.976 126.47
   LOCATION L0000036     VOLUME   410791.370 3774417.308 126.61
   LOCATION L0000037     VOLUME   410805.366 3774417.640 126.75
   LOCATION L0000038     VOLUME   410819.362 3774417.973 126.88
   LOCATION L0000039     VOLUME   410833.358 3774418.305 126.99
   LOCATION L0000040     VOLUME   410847.355 3774418.637 127.08
   LOCATION L0000041     VOLUME   410861.351 3774418.970 127.19
   LOCATION L0000042     VOLUME   410875.347 3774419.302 127.31
   LOCATION L0000043     VOLUME   410889.343 3774419.634 127.42
   LOCATION L0000044     VOLUME   410903.339 3774419.967 127.54
   LOCATION L0000045     VOLUME   410917.335 3774420.299 127.67
   LOCATION L0000046     VOLUME   410931.331 3774420.632 127.80
   LOCATION L0000047     VOLUME   410945.327 3774420.964 127.94
   LOCATION L0000048     VOLUME   410959.323 3774421.296 128.06
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
```

```
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Offsite Stewart Rivergrade
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 4
** 410592.871, 3774430.406, 125.35, 3.40, 6.51
** 410597.941, 3774598.987, 126.56, 3.40, 6.51
** 410686.668, 3774619.902, 127.25, 3.40, 6.51
** 410837.503, 3774767.568, 129.18, 3.40, 6.51
** ----------------------------------------------------------------
   LOCATION L0000049     VOLUME   410593.081 3774437.403 125.48
   LOCATION L0000050     VOLUME   410593.502 3774451.397 125.69
   LOCATION L0000051     VOLUME   410593.923 3774465.391 125.91
   LOCATION L0000052     VOLUME   410594.344 3774479.384 126.15
   LOCATION L0000053     VOLUME   410594.765 3774493.378 126.38
   LOCATION L0000054     VOLUME   410595.186 3774507.372 126.61
   LOCATION L0000055     VOLUME   410595.606 3774521.365 126.73
   LOCATION L0000056     VOLUME   410596.027 3774535.359 126.72
   LOCATION L0000057     VOLUME   410596.448 3774549.353 126.69
   LOCATION L0000058     VOLUME   410596.869 3774563.346 126.58
   LOCATION L0000059     VOLUME   410597.290 3774577.340 126.47
   LOCATION L0000060     VOLUME   410597.711 3774591.334 126.51
   LOCATION L0000061     VOLUME   410604.114 3774600.443 126.59
   LOCATION L0000062     VOLUME   410617.741 3774603.655 126.77
   LOCATION L0000063     VOLUME   410631.368 3774606.867 126.82
   LOCATION L0000064     VOLUME   410644.994 3774610.079 126.85
   LOCATION L0000065     VOLUME   410658.621 3774613.290 126.95
   LOCATION L0000066     VOLUME   410672.247 3774616.502 127.11
   LOCATION L0000067     VOLUME   410685.874 3774619.714 127.34
   LOCATION L0000068     VOLUME   410696.089 3774629.125 127.31
   LOCATION L0000069     VOLUME   410706.093 3774638.919 127.08
   LOCATION L0000070     VOLUME   410716.097 3774648.712 127.23
   LOCATION L0000071     VOLUME   410726.101 3774658.506 127.35
   LOCATION L0000072     VOLUME   410736.105 3774668.300 127.47
   LOCATION L0000073     VOLUME   410746.109 3774678.094 127.70
   LOCATION L0000074     VOLUME   410756.113 3774687.888 128.05
   LOCATION L0000075     VOLUME   410766.117 3774697.682 128.18
   LOCATION L0000076     VOLUME   410776.121 3774707.476 128.05
   LOCATION L0000077     VOLUME   410786.125 3774717.269 128.22
   LOCATION L0000078     VOLUME   410796.129 3774727.063 128.41
   LOCATION L0000079     VOLUME   410806.133 3774736.857 128.62
   LOCATION L0000080     VOLUME   410816.137 3774746.651 128.81
   LOCATION L0000081     VOLUME   410826.141 3774756.445 129.04
   LOCATION L0000082     VOLUME   410836.145 3774766.239 129.45
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
```

```
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Offsite Arrow
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 410690.788, 3774919.170, 129.78, 3.40, 6.51
** 411057.448, 3774570.721, 130.01, 3.40, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000083     VOLUME   410695.862 3774914.348 129.99
   LOCATION L0000084     VOLUME   410706.010 3774904.704 129.78
   LOCATION L0000085     VOLUME   410716.158 3774895.059 130.15
   LOCATION L0000086     VOLUME   410726.307 3774885.415 129.91
   LOCATION L0000087     VOLUME   410736.455 3774875.771 130.06
   LOCATION L0000088     VOLUME   410746.603 3774866.127 130.22
   LOCATION L0000089     VOLUME   410756.752 3774856.482 129.96
   LOCATION L0000090     VOLUME   410766.900 3774846.838 129.34
   LOCATION L0000091     VOLUME   410777.048 3774837.194 129.38
   LOCATION L0000092     VOLUME   410787.197 3774827.550 129.83
   LOCATION L0000093     VOLUME   410797.345 3774817.905 129.50
   LOCATION L0000094     VOLUME   410807.493 3774808.261 129.63
   LOCATION L0000095     VOLUME   410817.641 3774798.617 130.00
   LOCATION L0000096     VOLUME   410827.790 3774788.973 129.51
   LOCATION L0000097     VOLUME   410837.938 3774779.328 130.00
   LOCATION L0000098     VOLUME   410848.086 3774769.684 130.20
   LOCATION L0000099     VOLUME   410858.235 3774760.040 129.74
   LOCATION L0000100     VOLUME   410868.383 3774750.395 130.01
   LOCATION L0000101     VOLUME   410878.531 3774740.751 130.06
   LOCATION L0000102     VOLUME   410888.680 3774731.107 129.80
   LOCATION L0000103     VOLUME   410898.828 3774721.463 129.60
   LOCATION L0000104     VOLUME   410908.976 3774711.818 129.77
   LOCATION L0000105     VOLUME   410919.125 3774702.174 130.05
   LOCATION L0000106     VOLUME   410929.273 3774692.530 129.70
   LOCATION L0000107     VOLUME   410939.421 3774682.886 130.26
   LOCATION L0000108     VOLUME   410949.570 3774673.241 130.37
   LOCATION L0000109     VOLUME   410959.718 3774663.597 129.89
   LOCATION L0000110     VOLUME   410969.866 3774653.953 130.29
   LOCATION L0000111     VOLUME   410980.015 3774644.309 130.27
   LOCATION L0000112     VOLUME   410990.163 3774634.664 129.87
   LOCATION L0000113     VOLUME   411000.311 3774625.020 129.87
   LOCATION L0000114     VOLUME   411010.459 3774615.376 129.95
   LOCATION L0000115     VOLUME   411020.608 3774605.732 129.96
   LOCATION L0000116     VOLUME   411030.756 3774596.087 129.88
   LOCATION L0000117     VOLUME   411040.904 3774586.443 130.29
   LOCATION L0000118     VOLUME   411051.053 3774576.799 130.28
** End of LINE VOLUME Source ID = SLINE3
```

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** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC OnSiteCirc
** PREFIX
** Length of Side = 8.70
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 4
** 410709.046, 3774614.829, 127.74, 3.15, 4.05
** 410727.049, 3774583.987, 127.47, 3.15, 4.05
** 410712.847, 3774565.883, 126.96, 3.15, 4.05
** 410713.817, 3774524.503, 126.76, 3.15, 4.05
** ----------------------------------------------------------------
   LOCATION L0000119     VOLUME   410711.239 3774611.072 127.71
   LOCATION L0000120     VOLUME   410715.625 3774603.558 127.73
   LOCATION L0000121     VOLUME   410720.011 3774596.045 127.60
   LOCATION L0000122     VOLUME   410724.396 3774588.531 127.52
   LOCATION L0000123     VOLUME   410724.926 3774581.282 127.45
   LOCATION L0000124     VOLUME   410719.556 3774574.436 127.30
   LOCATION L0000125     VOLUME   410714.187 3774567.591 127.13
   LOCATION L0000126     VOLUME   410713.000 3774559.356 127.01
   LOCATION L0000127     VOLUME   410713.204 3774550.658 126.91
   LOCATION L0000128     VOLUME   410713.408 3774541.960 126.83
   LOCATION L0000129     VOLUME   410713.612 3774533.263 126.82
   LOCATION L0000139     VOLUME   410713.816 3774524.565 126.82
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Idle
** PREFIX
** Length of Side = 8.70
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 2
** 410701.410, 3774576.963, 127.01, 3.15, 4.05
** 410702.546, 3774522.994, 126.47, 3.15, 4.05
** ----------------------------------------------------------------
   LOCATION L0000130     VOLUME   410701.502 3774572.614 126.98
   LOCATION L0000131     VOLUME   410701.685 3774563.915 126.87
   LOCATION L0000132     VOLUME   410701.868 3774555.217 126.77
   LOCATION L0000133     VOLUME   410702.051 3774546.519 126.66
   LOCATION L0000134     VOLUME   410702.234 3774537.821 126.59
   LOCATION L0000141     VOLUME   410702.417 3774529.123 126.54
** End of LINE VOLUME Source ID = SLINE5
```

```
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC CHE
** PREFIX
** Length of Side = 8.70
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 5.10
** SZINIT = 2.37
** Nodes = 2
** 410690.418, 3774566.921, 126.75, 2.55, 4.05
** 410691.838, 3774528.574, 126.54, 2.55, 4.05
** ----------------------------------------------------------------
   LOCATION L0000135     VOLUME   410690.579 3774562.573 126.77
   LOCATION L0000136     VOLUME   410690.901 3774553.879 126.64
   LOCATION L0000137     VOLUME   410691.223 3774545.185 126.51
   LOCATION L0000138     VOLUME   410691.545 3774536.491 126.48
** End of LINE VOLUME Source ID = SLINE6
   LOCATION STCK1        POINT      410689.820  3774596.980      127.300
** DESCRSRC Gen
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000002     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000003     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000004     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000005     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000006     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000007     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000008     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000009     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000010     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000011     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000012     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000013     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000014     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000015     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000016     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000017     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000018     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000019     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000020     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000021     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000022     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000023     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000024     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000025     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000026     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000027     0.0208333333      3.40      6.51      3.16
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   SRCPARAM L0000028     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000029     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000030     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000031     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000032     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000033     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000034     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000035     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000036     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000037     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000038     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000039     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000040     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000041     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000042     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000043     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000044     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000045     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000046     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000047     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000048     0.0208333333      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000049     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000050     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000051     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000052     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000053     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000054     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000055     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000056     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000057     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000058     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000059     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000060     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000061     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000062     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000063     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000064     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000065     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000066     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000067     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000068     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000069     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000070     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000071     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000072     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000073     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000074     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000075     0.0294117647      3.40      6.51      3.16
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   SRCPARAM L0000076     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000077     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000078     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000079     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000080     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000081     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000082     0.0294117647      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000083     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000084     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000085     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000086     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000087     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000088     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000089     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000090     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000091     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000092     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000093     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000094     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000095     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000096     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000097     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000098     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000099     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000100     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000101     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000102     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000103     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000104     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000105     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000106     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000107     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000108     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000109     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000110     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000111     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000112     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000113     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000114     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000115     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000116     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000117     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000118     0.0277777778      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000119     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000120     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000121     0.0833333333      3.15      4.05      2.93
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   SRCPARAM L0000122     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000123     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000124     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000125     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000126     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000127     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000128     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000129     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000139     0.0833333333      3.15      4.05      2.93
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0000130     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000131     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000132     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000133     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000134     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000141     0.1666666667      3.15      4.05      2.93
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0000135          0.25      2.55      4.05      2.37
   SRCPARAM L0000136          0.25      2.55      4.05      2.37
   SRCPARAM L0000137          0.25      2.55      4.05      2.37
   SRCPARAM L0000138          0.25      2.55      4.05      2.37
** ------------------------------------------------------------------
   SRCPARAM STCK1              1.0     5.000   763.850   224.391     0.229


** Building Downwash **
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00

   BUILDWID STCK1          104.75   122.79   137.10   147.25   152.92   153.94
   BUILDWID STCK1          150.29   153.54   154.54   165.71   171.84   172.75
   BUILDWID STCK1          168.41   158.96   144.67   125.99   103.48    88.35
   BUILDWID STCK1          104.75   122.79   137.10   147.25   152.92   153.94
   BUILDWID STCK1          150.29   153.54   154.54   165.71   171.84   172.75
   BUILDWID STCK1          168.41   158.96   144.67   125.99   103.48    88.35

   BUILDLEN STCK1          165.71   171.84   172.75   168.41   158.96   144.67
   BUILDLEN STCK1          125.99   103.48    88.35   104.75   122.79   137.10
   BUILDLEN STCK1          147.25   152.92   153.94   150.29   153.54   154.54
   BUILDLEN STCK1          165.71   171.84   172.75   168.41   158.96   144.67
   BUILDLEN STCK1          125.99   103.48    88.35   104.75   122.79   137.10
   BUILDLEN STCK1          147.25   152.92   153.94   150.29   153.54   154.54

   XBADJ    STCK1         -165.61  -171.65  -172.47  -168.05  -158.53  -144.19
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   XBADJ    STCK1         -125.47  -102.93   -77.27   -68.17   -60.69   -51.37
   XBADJ    STCK1          -40.48   -28.37   -15.39    -1.95     0.10     0.00
   XBADJ    STCK1           -0.10    -0.19    -0.28    -0.36    -0.43    -0.48
   XBADJ    STCK1           -0.53    -0.55   -11.08   -36.57   -62.10   -85.73
   XBADJ    STCK1         -106.76  -124.55  -138.55  -148.35  -153.63  -154.54

   YBADJ    STCK1           15.80    -0.70   -17.18   -33.14   -48.09   -61.58
   YBADJ    STCK1          -73.20   -76.86   -77.27   -82.76   -85.73   -86.10
   YBADJ    STCK1          -83.85   -79.05   -71.85   -62.47   -51.19   -33.09
   YBADJ    STCK1          -15.80     0.70    17.18    33.14    48.09    61.58
   YBADJ    STCK1           73.20    76.86    77.27    82.76    85.73    86.10
   YBADJ    STCK1           83.85    79.05    71.85    62.47    51.19    33.09

   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Ops"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000019     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000021     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000022     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000023     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000024     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000025     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000026     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000027     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000028     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000029     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000030     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000031     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000032     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000033     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000034     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000035     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000036     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000037     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000038     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000039     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000040     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000041     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000042     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000043     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000044     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000045     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000046     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000047     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000047     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000048     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000049     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000066     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000067     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000068     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000069     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000070     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000071     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000072     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000072     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000073     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000073     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000074     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000075     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000075     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000076     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000076     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000077     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000078     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000078     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000079     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000079     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000080     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000080     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000081     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000082     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT L0000083     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000084     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000084     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000085     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000085     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000086     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000087     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000087     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000088     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000089     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000090     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000091     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000092     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000093     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000094     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000094     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000095     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000096     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000097     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000098     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000099     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000100     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000100     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000101     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000102     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000103     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000103     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000103     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000104     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000104     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000105     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000105     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000105     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000105     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000106     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000106     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000106     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000106     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000107     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000107     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000107     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000107     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000108     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000108     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000109     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000109     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000110     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000111     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000112     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000112     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000113     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000114     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000115     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000116     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000117     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000118     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000118     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000105     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000106     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000106     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000107     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000119     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000119     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000120     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000121     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000122     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000123     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000124     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000125     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000126     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000127     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000128     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000129     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000139     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000130     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000131     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000132     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000133     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000134     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000141     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000135     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000136     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000137     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000138     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Scenario 2"
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Arrow    L0000083 L0000084 L0000085 L0000086 L0000087 L0000088
   SRCGROUP Arrow    L0000089 L0000090 L0000091 L0000092 L0000093 L0000094
   SRCGROUP Arrow    L0000095 L0000096 L0000097 L0000098 L0000099 L0000100
   SRCGROUP Arrow    L0000101 L0000102 L0000103 L0000104 L0000105 L0000106
   SRCGROUP Arrow    L0000107 L0000108 L0000109 L0000110 L0000111 L0000112
   SRCGROUP Arrow    L0000113 L0000114 L0000115 L0000116 L0000117 L0000118
   SRCGROUP LiveOak  L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
   SRCGROUP LiveOak  L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
   SRCGROUP LiveOak  L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
   SRCGROUP LiveOak  L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
   SRCGROUP LiveOak  L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
```

```
   SRCGROUP LiveOak  L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
   SRCGROUP LiveOak  L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
   SRCGROUP LiveOak  L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
   SRCGROUP StewartR L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
   SRCGROUP StewartR L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
   SRCGROUP StewartR L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
   SRCGROUP StewartR L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
   SRCGROUP StewartR L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
   SRCGROUP StewartR L0000079 L0000080 L0000081 L0000082
   SRCGROUP Idle     L0000130 L0000131 L0000132 L0000133 L0000134 L0000141
   SRCGROUP Onsite   L0000119 L0000120 L0000121 L0000122 L0000123 L0000124
   SRCGROUP Onsite   L0000125 L0000126 L0000127 L0000128 L0000129 L0000139
   SRCGROUP Gens     STCK1
   SRCGROUP CHE      L0000135 L0000136 L0000137 L0000138
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED Irwindale_Ops.rou
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE AZUS_V9_ADJU\AZUS_v9.SFC
   PROFFILE AZUS_V9_ADJU\AZUS_v9.PFL
   SURFDATA 3179 2012 Azusa
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 182.0 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST IRWINDALE_OPS.AD\01H1GALL.PLT 31
```

```
   PLOTFILE 1 Arrow 1ST IRWINDALE_OPS.AD\01H1G001.PLT 32
   PLOTFILE 1 LiveOak 1ST IRWINDALE_OPS.AD\01H1G002.PLT 33
   PLOTFILE 1 StewartR 1ST IRWINDALE_OPS.AD\01H1G003.PLT 34
   PLOTFILE 1 Idle 1ST IRWINDALE_OPS.AD\01H1G004.PLT 35
   PLOTFILE 1 Onsite 1ST IRWINDALE_OPS.AD\01H1G005.PLT 36
   PLOTFILE 1 Gens 1ST IRWINDALE_OPS.AD\01H1G006.PLT 37
   PLOTFILE 1 CHE 1ST IRWINDALE_OPS.AD\01H1G007.PLT 38
   PLOTFILE PERIOD ALL IRWINDALE_OPS.AD\PE00GALL.PLT 39
   PLOTFILE PERIOD Arrow IRWINDALE_OPS.AD\PE00G001.PLT 40
   PLOTFILE PERIOD LiveOak IRWINDALE_OPS.AD\PE00G002.PLT 41
   PLOTFILE PERIOD StewartR IRWINDALE_OPS.AD\PE00G003.PLT 42
   PLOTFILE PERIOD Idle IRWINDALE_OPS.AD\PE00G004.PLT 43
   PLOTFILE PERIOD Onsite IRWINDALE_OPS.AD\PE00G005.PLT 44
   PLOTFILE PERIOD Gens IRWINDALE_OPS.AD\PE00G006.PLT 45
   PLOTFILE PERIOD CHE IRWINDALE_OPS.AD\PE00G007.PLT 46
   SUMMFILE Irwindale_Ops.sum
OU FINISHED
**
************************************
** Project Parameters
************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 1/8/2024
** File: C:\Lakes\AERMOD View\Irwindale_Ops\Irwindale_Ops.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Irwindale_Ops\Irwindale_Ops.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 9818605 Los_Angeles
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Irwindale_Ops.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Offsite Live Oak
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 410294.510, 3774405.509, 123.03, 3.40, 6.51
** 410959.390, 3774421.298, 128.04, 3.40, 6.51
** ------------------------------------------------------------------------
   LOCATION L0000001     VOLUME   410301.508 3774405.675 123.34
```

```
   LOCATION L0000002     VOLUME   410315.504 3774406.008 123.58
   LOCATION L0000003     VOLUME   410329.501 3774406.340 123.74
   LOCATION L0000004     VOLUME   410343.497 3774406.672 123.89
   LOCATION L0000005     VOLUME   410357.493 3774407.005 124.07
   LOCATION L0000006     VOLUME   410371.489 3774407.337 124.23
   LOCATION L0000007     VOLUME   410385.485 3774407.669 124.37
   LOCATION L0000008     VOLUME   410399.481 3774408.002 124.46
   LOCATION L0000009     VOLUME   410413.477 3774408.334 124.49
   LOCATION L0000010     VOLUME   410427.473 3774408.667 124.55
   LOCATION L0000011     VOLUME   410441.469 3774408.999 124.64
   LOCATION L0000012     VOLUME   410455.465 3774409.331 124.66
   LOCATION L0000013     VOLUME   410469.461 3774409.664 124.67
   LOCATION L0000014     VOLUME   410483.457 3774409.996 124.67
   LOCATION L0000015     VOLUME   410497.453 3774410.328 124.68
   LOCATION L0000016     VOLUME   410511.449 3774410.661 124.73
   LOCATION L0000017     VOLUME   410525.445 3774410.993 124.79
   LOCATION L0000018     VOLUME   410539.441 3774411.325 124.87
   LOCATION L0000019     VOLUME   410553.437 3774411.658 124.96
   LOCATION L0000020     VOLUME   410567.433 3774411.990 125.06
   LOCATION L0000021     VOLUME   410581.430 3774412.323 125.14
   LOCATION L0000022     VOLUME   410595.426 3774412.655 125.20
   LOCATION L0000023     VOLUME   410609.422 3774412.987 125.33
   LOCATION L0000024     VOLUME   410623.418 3774413.320 125.47
   LOCATION L0000025     VOLUME   410637.414 3774413.652 125.56
   LOCATION L0000026     VOLUME   410651.410 3774413.984 125.64
   LOCATION L0000027     VOLUME   410665.406 3774414.317 125.69
   LOCATION L0000028     VOLUME   410679.402 3774414.649 125.77
   LOCATION L0000029     VOLUME   410693.398 3774414.981 125.93
   LOCATION L0000030     VOLUME   410707.394 3774415.314 126.08
   LOCATION L0000031     VOLUME   410721.390 3774415.646 126.22
   LOCATION L0000032     VOLUME   410735.386 3774415.978 126.29
   LOCATION L0000033     VOLUME   410749.382 3774416.311 126.33
   LOCATION L0000034     VOLUME   410763.378 3774416.643 126.39
   LOCATION L0000035     VOLUME   410777.374 3774416.976 126.47
   LOCATION L0000036     VOLUME   410791.370 3774417.308 126.61
   LOCATION L0000037     VOLUME   410805.366 3774417.640 126.75
   LOCATION L0000038     VOLUME   410819.362 3774417.973 126.88
   LOCATION L0000039     VOLUME   410833.358 3774418.305 126.99
   LOCATION L0000040     VOLUME   410847.355 3774418.637 127.08
   LOCATION L0000041     VOLUME   410861.351 3774418.970 127.19
   LOCATION L0000042     VOLUME   410875.347 3774419.302 127.31
   LOCATION L0000043     VOLUME   410889.343 3774419.634 127.42
   LOCATION L0000044     VOLUME   410903.339 3774419.967 127.54
   LOCATION L0000045     VOLUME   410917.335 3774420.299 127.67
   LOCATION L0000046     VOLUME   410931.331 3774420.632 127.80
   LOCATION L0000047     VOLUME   410945.327 3774420.964 127.94
   LOCATION L0000048     VOLUME   410959.323 3774421.296 128.06
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
```

```
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Offsite Stewart Rivergrade
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 4
** 410592.871, 3774430.406, 125.35, 3.40, 6.51
** 410597.941, 3774598.987, 126.56, 3.40, 6.51
** 410686.668, 3774619.902, 127.25, 3.40, 6.51
** 410837.503, 3774767.568, 129.18, 3.40, 6.51
** ----------------------------------------------------------------
   LOCATION L0000049     VOLUME   410593.081 3774437.403 125.48
   LOCATION L0000050     VOLUME   410593.502 3774451.397 125.69
   LOCATION L0000051     VOLUME   410593.923 3774465.391 125.91
   LOCATION L0000052     VOLUME   410594.344 3774479.384 126.15
   LOCATION L0000053     VOLUME   410594.765 3774493.378 126.38
   LOCATION L0000054     VOLUME   410595.186 3774507.372 126.61
   LOCATION L0000055     VOLUME   410595.606 3774521.365 126.73
   LOCATION L0000056     VOLUME   410596.027 3774535.359 126.72
   LOCATION L0000057     VOLUME   410596.448 3774549.353 126.69
   LOCATION L0000058     VOLUME   410596.869 3774563.346 126.58
   LOCATION L0000059     VOLUME   410597.290 3774577.340 126.47
   LOCATION L0000060     VOLUME   410597.711 3774591.334 126.51
   LOCATION L0000061     VOLUME   410604.114 3774600.443 126.59
   LOCATION L0000062     VOLUME   410617.741 3774603.655 126.77
   LOCATION L0000063     VOLUME   410631.368 3774606.867 126.82
   LOCATION L0000064     VOLUME   410644.994 3774610.079 126.85
   LOCATION L0000065     VOLUME   410658.621 3774613.290 126.95
   LOCATION L0000066     VOLUME   410672.247 3774616.502 127.11
   LOCATION L0000067     VOLUME   410685.874 3774619.714 127.34
   LOCATION L0000068     VOLUME   410696.089 3774629.125 127.31
   LOCATION L0000069     VOLUME   410706.093 3774638.919 127.08
   LOCATION L0000070     VOLUME   410716.097 3774648.712 127.23
   LOCATION L0000071     VOLUME   410726.101 3774658.506 127.35
   LOCATION L0000072     VOLUME   410736.105 3774668.300 127.47
   LOCATION L0000073     VOLUME   410746.109 3774678.094 127.70
   LOCATION L0000074     VOLUME   410756.113 3774687.888 128.05
   LOCATION L0000075     VOLUME   410766.117 3774697.682 128.18
   LOCATION L0000076     VOLUME   410776.121 3774707.476 128.05
   LOCATION L0000077     VOLUME   410786.125 3774717.269 128.22
   LOCATION L0000078     VOLUME   410796.129 3774727.063 128.41
   LOCATION L0000079     VOLUME   410806.133 3774736.857 128.62
   LOCATION L0000080     VOLUME   410816.137 3774746.651 128.81
   LOCATION L0000081     VOLUME   410826.141 3774756.445 129.04
   LOCATION L0000082     VOLUME   410836.145 3774766.239 129.45
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
```

```
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Offsite Arrow
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 2
** 410690.788, 3774919.170, 129.78, 3.40, 6.51
** 411057.448, 3774570.721, 130.01, 3.40, 6.51
** ----------------------------------------------------------------
   LOCATION L0000083     VOLUME   410695.862 3774914.348 129.99
   LOCATION L0000084     VOLUME   410706.010 3774904.704 129.78
   LOCATION L0000085     VOLUME   410716.158 3774895.059 130.15
   LOCATION L0000086     VOLUME   410726.307 3774885.415 129.91
   LOCATION L0000087     VOLUME   410736.455 3774875.771 130.06
   LOCATION L0000088     VOLUME   410746.603 3774866.127 130.22
   LOCATION L0000089     VOLUME   410756.752 3774856.482 129.96
   LOCATION L0000090     VOLUME   410766.900 3774846.838 129.34
   LOCATION L0000091     VOLUME   410777.048 3774837.194 129.38
   LOCATION L0000092     VOLUME   410787.197 3774827.550 129.83
   LOCATION L0000093     VOLUME   410797.345 3774817.905 129.50
   LOCATION L0000094     VOLUME   410807.493 3774808.261 129.63
   LOCATION L0000095     VOLUME   410817.641 3774798.617 130.00
   LOCATION L0000096     VOLUME   410827.790 3774788.973 129.51
   LOCATION L0000097     VOLUME   410837.938 3774779.328 130.00
   LOCATION L0000098     VOLUME   410848.086 3774769.684 130.20
   LOCATION L0000099     VOLUME   410858.235 3774760.040 129.74
   LOCATION L0000100     VOLUME   410868.383 3774750.395 130.01
   LOCATION L0000101     VOLUME   410878.531 3774740.751 130.06
   LOCATION L0000102     VOLUME   410888.680 3774731.107 129.80
   LOCATION L0000103     VOLUME   410898.828 3774721.463 129.60
   LOCATION L0000104     VOLUME   410908.976 3774711.818 129.77
   LOCATION L0000105     VOLUME   410919.125 3774702.174 130.05
   LOCATION L0000106     VOLUME   410929.273 3774692.530 129.70
   LOCATION L0000107     VOLUME   410939.421 3774682.886 130.26
   LOCATION L0000108     VOLUME   410949.570 3774673.241 130.37
   LOCATION L0000109     VOLUME   410959.718 3774663.597 129.89
   LOCATION L0000110     VOLUME   410969.866 3774653.953 130.29
   LOCATION L0000111     VOLUME   410980.015 3774644.309 130.27
   LOCATION L0000112     VOLUME   410990.163 3774634.664 129.87
   LOCATION L0000113     VOLUME   411000.311 3774625.020 129.87
   LOCATION L0000114     VOLUME   411010.459 3774615.376 129.95
   LOCATION L0000115     VOLUME   411020.608 3774605.732 129.96
   LOCATION L0000116     VOLUME   411030.756 3774596.087 129.88
   LOCATION L0000117     VOLUME   411040.904 3774586.443 130.29
   LOCATION L0000118     VOLUME   411051.053 3774576.799 130.28
** End of LINE VOLUME Source ID = SLINE3
```

```
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC OnSiteCirc
** PREFIX
** Length of Side = 8.70
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 4
** 410709.046, 3774614.829, 127.74, 3.15, 4.05
** 410727.049, 3774583.987, 127.47, 3.15, 4.05
** 410712.847, 3774565.883, 126.96, 3.15, 4.05
** 410713.817, 3774524.503, 126.76, 3.15, 4.05
** ----------------------------------------------------------------
   LOCATION L0000119     VOLUME   410711.239 3774611.072 127.71
   LOCATION L0000120     VOLUME   410715.625 3774603.558 127.73
   LOCATION L0000121     VOLUME   410720.011 3774596.045 127.60
   LOCATION L0000122     VOLUME   410724.396 3774588.531 127.52
   LOCATION L0000123     VOLUME   410724.926 3774581.282 127.45
   LOCATION L0000124     VOLUME   410719.556 3774574.436 127.30
   LOCATION L0000125     VOLUME   410714.187 3774567.591 127.13
   LOCATION L0000126     VOLUME   410713.000 3774559.356 127.01
   LOCATION L0000127     VOLUME   410713.204 3774550.658 126.91
   LOCATION L0000128     VOLUME   410713.408 3774541.960 126.83
   LOCATION L0000129     VOLUME   410713.612 3774533.263 126.82
   LOCATION L0000139     VOLUME   410713.816 3774524.565 126.82
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Idle
** PREFIX
** Length of Side = 8.70
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 2
** 410701.410, 3774576.963, 127.01, 3.15, 4.05
** 410702.546, 3774522.994, 126.47, 3.15, 4.05
** ----------------------------------------------------------------
   LOCATION L0000130     VOLUME   410701.502 3774572.614 126.98
   LOCATION L0000131     VOLUME   410701.685 3774563.915 126.87
   LOCATION L0000132     VOLUME   410701.868 3774555.217 126.77
   LOCATION L0000133     VOLUME   410702.051 3774546.519 126.66
   LOCATION L0000134     VOLUME   410702.234 3774537.821 126.59
   LOCATION L0000141     VOLUME   410702.417 3774529.123 126.54
** End of LINE VOLUME Source ID = SLINE5
```

```
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC CHE
** PREFIX
** Length of Side = 8.70
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 5.10
** SZINIT = 2.37
** Nodes = 2
** 410690.418, 3774566.921, 126.75, 2.55, 4.05
** 410691.838, 3774528.574, 126.54, 2.55, 4.05
** ----------------------------------------------------------------
   LOCATION L0000135     VOLUME   410690.579 3774562.573 126.77
   LOCATION L0000136     VOLUME   410690.901 3774553.879 126.64
   LOCATION L0000137     VOLUME   410691.223 3774545.185 126.51
   LOCATION L0000138     VOLUME   410691.545 3774536.491 126.48
** End of LINE VOLUME Source ID = SLINE6
   LOCATION STCK1        POINT      410689.820  3774596.980      127.300
** DESCRSRC Gen
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000002     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000003     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000004     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000005     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000006     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000007     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000008     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000009     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000010     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000011     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000012     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000013     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000014     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000015     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000016     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000017     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000018     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000019     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000020     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000021     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000022     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000023     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000024     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000025     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000026     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000027     0.0208333333      3.40      6.51      3.16
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   SRCPARAM L0000028     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000029     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000030     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000031     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000032     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000033     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000034     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000035     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000036     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000037     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000038     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000039     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000040     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000041     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000042     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000043     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000044     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000045     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000046     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000047     0.0208333333      3.40      6.51      3.16
   SRCPARAM L0000048     0.0208333333      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000049     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000050     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000051     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000052     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000053     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000054     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000055     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000056     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000057     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000058     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000059     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000060     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000061     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000062     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000063     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000064     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000065     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000066     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000067     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000068     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000069     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000070     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000071     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000072     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000073     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000074     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000075     0.0294117647      3.40      6.51      3.16
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   SRCPARAM L0000076     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000077     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000078     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000079     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000080     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000081     0.0294117647      3.40      6.51      3.16
   SRCPARAM L0000082     0.0294117647      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000083     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000084     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000085     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000086     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000087     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000088     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000089     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000090     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000091     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000092     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000093     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000094     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000095     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000096     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000097     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000098     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000099     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000100     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000101     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000102     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000103     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000104     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000105     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000106     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000107     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000108     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000109     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000110     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000111     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000112     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000113     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000114     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000115     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000116     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000117     0.0277777778      3.40      6.51      3.16
   SRCPARAM L0000118     0.0277777778      3.40      6.51      3.16
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000119     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000120     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000121     0.0833333333      3.15      4.05      2.93
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   SRCPARAM L0000122     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000123     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000124     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000125     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000126     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000127     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000128     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000129     0.0833333333      3.15      4.05      2.93
   SRCPARAM L0000139     0.0833333333      3.15      4.05      2.93
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0000130     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000131     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000132     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000133     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000134     0.1666666667      3.15      4.05      2.93
   SRCPARAM L0000141     0.1666666667      3.15      4.05      2.93
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0000135          0.25      2.55      4.05      2.37
   SRCPARAM L0000136          0.25      2.55      4.05      2.37
   SRCPARAM L0000137          0.25      2.55      4.05      2.37
   SRCPARAM L0000138          0.25      2.55      4.05      2.37
** ------------------------------------------------------------------
   SRCPARAM STCK1              1.0     5.000   763.850   224.391     0.229

** Building Downwash **
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00
   BUILDHGT STCK1           13.00    13.00    13.00    13.00    13.00    13.00

   BUILDWID STCK1          104.75   122.79   137.10   147.25   152.92   153.94
   BUILDWID STCK1          150.29   153.54   154.54   165.71   171.84   172.75
   BUILDWID STCK1          168.41   158.96   144.67   125.99   103.48    88.35
   BUILDWID STCK1          104.75   122.79   137.10   147.25   152.92   153.94
   BUILDWID STCK1          150.29   153.54   154.54   165.71   171.84   172.75
   BUILDWID STCK1          168.41   158.96   144.67   125.99   103.48    88.35

   BUILDLEN STCK1          165.71   171.84   172.75   168.41   158.96   144.67
   BUILDLEN STCK1          125.99   103.48    88.35   104.75   122.79   137.10
   BUILDLEN STCK1          147.25   152.92   153.94   150.29   153.54   154.54
   BUILDLEN STCK1          165.71   171.84   172.75   168.41   158.96   144.67
   BUILDLEN STCK1          125.99   103.48    88.35   104.75   122.79   137.10
   BUILDLEN STCK1          147.25   152.92   153.94   150.29   153.54   154.54

   XBADJ    STCK1         -165.61  -171.65  -172.47  -168.05  -158.53  -144.19
   XBADJ    STCK1         -125.47  -102.93   -77.27   -68.17   -60.69   -51.37
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   XBADJ    STCK1          -40.48   -28.37   -15.39    -1.95     0.10     0.00
   XBADJ    STCK1           -0.10    -0.19    -0.28    -0.36    -0.43    -0.48
   XBADJ    STCK1           -0.53    -0.55   -11.08   -36.57   -62.10   -85.73
   XBADJ    STCK1         -106.76  -124.55  -138.55  -148.35  -153.63  -154.54

   YBADJ    STCK1           15.80    -0.70   -17.18   -33.14   -48.09   -61.58
   YBADJ    STCK1          -73.20   -76.86   -77.27   -82.76   -85.73   -86.10
   YBADJ    STCK1          -83.85   -79.05   -71.85   -62.47   -51.19   -33.09
   YBADJ    STCK1          -15.80     0.70    17.18    33.14    48.09    61.58
   YBADJ    STCK1           73.20    76.86    77.27    82.76    85.73    86.10
   YBADJ    STCK1           83.85    79.05    71.85    62.47    51.19    33.09

   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Ops"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000019     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000021     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000022     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000023     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000024     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000025     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000026     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000031     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000032     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000033     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT L0000049     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000052     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000053     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000058     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000059     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000060     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000061     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000062     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000063     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000064     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000065     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000066     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000067     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000068     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000069     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000070     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000071     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000072     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000072     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000073     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000073     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000074     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000075     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000075     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000076     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000076     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000077     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000078     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000078     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000079     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000079     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000080     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000080     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000081     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000082     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT L0000049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT L0000083     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000083     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000084     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000084     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000085     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000085     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000085     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000086     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000086     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000086     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000087     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000087     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000087     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000088     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000088     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000089     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000089     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000089     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000090     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000090     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000091     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000091     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000092     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000093     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000093     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000094     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000094     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000095     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000095     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000096     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000097     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000097     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000098     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000098     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000098     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000099     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000099     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000100     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000100     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000101     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000101     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000101     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000102     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000102     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000103     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000103     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000103     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000104     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000105     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000105     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000106     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000106     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000106     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000106     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000107     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000107     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000108     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000108     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000109     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000109     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000109     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000110     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000110     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000111     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000111     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000112     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000112     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000113     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000113     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000114     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000115     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000115     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000116     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000116     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000117     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000118     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000118     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000083     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000084     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000114     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000116     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000117     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000118     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000119     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000120     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000121     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000122     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000123     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000124     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000125     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000126     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000127     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000128     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000129     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000139     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000119     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000120     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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```
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000121     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000124     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000125     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000128     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000130     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000131     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000132     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000133     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000134     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000141     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000135     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000136     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000137     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000138     HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Scenario 2"
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Arrow    L0000083 L0000084 L0000085 L0000086 L0000087 L0000088
   SRCGROUP Arrow    L0000089 L0000090 L0000091 L0000092 L0000093 L0000094
   SRCGROUP Arrow    L0000095 L0000096 L0000097 L0000098 L0000099 L0000100
   SRCGROUP Arrow    L0000101 L0000102 L0000103 L0000104 L0000105 L0000106
   SRCGROUP Arrow    L0000107 L0000108 L0000109 L0000110 L0000111 L0000112
   SRCGROUP Arrow    L0000113 L0000114 L0000115 L0000116 L0000117 L0000118
   SRCGROUP LiveOak  L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
   SRCGROUP LiveOak  L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
   SRCGROUP LiveOak  L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
   SRCGROUP LiveOak  L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
   SRCGROUP LiveOak  L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
   SRCGROUP LiveOak  L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
```

```
   SRCGROUP LiveOak  L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
   SRCGROUP LiveOak  L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
   SRCGROUP StewartR L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
   SRCGROUP StewartR L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
   SRCGROUP StewartR L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
   SRCGROUP StewartR L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
   SRCGROUP StewartR L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
   SRCGROUP StewartR L0000079 L0000080 L0000081 L0000082
   SRCGROUP Idle     L0000130 L0000131 L0000132 L0000133 L0000134 L0000141
   SRCGROUP Onsite   L0000119 L0000120 L0000121 L0000122 L0000123 L0000124
   SRCGROUP Onsite   L0000125 L0000126 L0000127 L0000128 L0000129 L0000139
   SRCGROUP Gens     STCK1
   SRCGROUP CHE      L0000135 L0000136 L0000137 L0000138
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Irwindale_Ops.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE AZUS_V9_ADJU\AZUS_v9.SFC
   PROFFILE AZUS_V9_ADJU\AZUS_v9.PFL
   SURFDATA 3179 2012 Azusa
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 182.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST IRWINDALE_OPS.AD\01H1GALL.PLT 31
   PLOTFILE 1 Arrow 1ST IRWINDALE_OPS.AD\01H1G001.PLT 32
```

```
   PLOTFILE 1 LiveOak 1ST IRWINDALE_OPS.AD\01H1G002.PLT 33
   PLOTFILE 1 StewartR 1ST IRWINDALE_OPS.AD\01H1G003.PLT 34
   PLOTFILE 1 Idle 1ST IRWINDALE_OPS.AD\01H1G004.PLT 35
   PLOTFILE 1 Onsite 1ST IRWINDALE_OPS.AD\01H1G005.PLT 36
   PLOTFILE 1 Gens 1ST IRWINDALE_OPS.AD\01H1G006.PLT 37
   PLOTFILE 1 CHE 1ST IRWINDALE_OPS.AD\01H1G007.PLT 38
   PLOTFILE PERIOD ALL IRWINDALE_OPS.AD\PE00GALL.PLT 39
   PLOTFILE PERIOD Arrow IRWINDALE_OPS.AD\PE00G001.PLT 40
   PLOTFILE PERIOD LiveOak IRWINDALE_OPS.AD\PE00G002.PLT 41
   PLOTFILE PERIOD StewartR IRWINDALE_OPS.AD\PE00G003.PLT 42
   PLOTFILE PERIOD Idle IRWINDALE_OPS.AD\PE00G004.PLT 43
   PLOTFILE PERIOD Onsite IRWINDALE_OPS.AD\PE00G005.PLT 44
   PLOTFILE PERIOD Gens IRWINDALE_OPS.AD\PE00G006.PLT 45
   PLOTFILE PERIOD CHE IRWINDALE_OPS.AD\PE00G007.PLT 46
   SUMMFILE Irwindale_Ops.sum
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 SO W320     425        PPARM: Input Parameter May Be Out-of-Range for Parameter
        VS
 ME W186    2238       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    2238       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                          ***       15:36:09

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

```
                                                  ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   141 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   9818605.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    141 Source(s);       8 Source Group(s); and     312
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    140 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
```

```
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   182.00 ;  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 =      4.1 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Irwindale_Ops.err

 **File for Summary of Results:   Irwindale_Ops.sum

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** POINT SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE     STACK   STACK
STACK     STACK    BLDG   URBAN  CAP/  EMIS RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.    HEIGHT  TEMP.
EXIT VEL. DIAMETER  EXISTS SOURCE HOR   SCALAR
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (DEG.K)
(M/SEC)  (METERS)                   VARY BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000001	0	0.20833E-01	410301.5	3774405.7	123.3	3.40	6.51	3.16	YES	HRDOW	NO
L0000002	0	0.20833E-01	410315.5	3774406.0	123.6	3.40	6.51	3.16	YES	HRDOW	NO
L0000003	0	0.20833E-01	410329.5	3774406.3	123.7	3.40	6.51	3.16	YES	HRDOW	NO
L0000004	0	0.20833E-01	410343.5	3774406.7	123.9	3.40	6.51	3.16	YES	HRDOW	NO
L0000005	0	0.20833E-01	410357.5	3774407.0	124.1	3.40	6.51	3.16	YES	HRDOW	NO
L0000006	0	0.20833E-01	410371.5	3774407.3	124.2	3.40	6.51	3.16	YES	HRDOW	NO
L0000007	0	0.20833E-01	410385.5	3774407.7	124.4	3.40	6.51	3.16	YES	HRDOW	NO
L0000008	0	0.20833E-01	410399.5	3774408.0	124.5	3.40	6.51	3.16	YES	HRDOW	NO
L0000009	0	0.20833E-01	410413.5	3774408.3	124.5	3.40	6.51	3.16	YES	HRDOW	NO
L0000010	0	0.20833E-01	410427.5	3774408.7	124.5	3.40	6.51	3.16	YES	HRDOW	NO
L0000011	0	0.20833E-01	410441.5	3774409.0	124.6	3.40	6.51	3.16	YES	HRDOW	NO
L0000012	0	0.20833E-01	410455.5	3774409.3	124.7	3.40	6.51	3.16	YES	HRDOW	NO
L0000013	0	0.20833E-01	410469.5	3774409.7	124.7	3.40	6.51	3.16	YES	HRDOW	NO
L0000014	0	0.20833E-01	410483.5	3774410.0	124.7	3.40	6.51	3.16	YES	HRDOW	NO

```
 L0000015         0   0.20833E-01  410497.5 3774410.3   124.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000016         0   0.20833E-01  410511.4 3774410.7   124.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000017         0   0.20833E-01  410525.4 3774411.0   124.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000018         0   0.20833E-01  410539.4 3774411.3   124.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000019         0   0.20833E-01  410553.4 3774411.7   125.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000020         0   0.20833E-01  410567.4 3774412.0   125.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000021         0   0.20833E-01  410581.4 3774412.3   125.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000022         0   0.20833E-01  410595.4 3774412.7   125.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000023         0   0.20833E-01  410609.4 3774413.0   125.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000024         0   0.20833E-01  410623.4 3774413.3   125.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000025         0   0.20833E-01  410637.4 3774413.7   125.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000026         0   0.20833E-01  410651.4 3774414.0   125.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000027         0   0.20833E-01  410665.4 3774414.3   125.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000028         0   0.20833E-01  410679.4 3774414.6   125.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000029         0   0.20833E-01  410693.4 3774415.0   125.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000030         0   0.20833E-01  410707.4 3774415.3   126.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000031         0   0.20833E-01  410721.4 3774415.6   126.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000032         0   0.20833E-01  410735.4 3774416.0   126.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000033         0   0.20833E-01  410749.4 3774416.3   126.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000034         0   0.20833E-01  410763.4 3774416.6   126.4     3.40     6.51
3.16     YES   HRDOW            NO
 L0000035         0   0.20833E-01  410777.4 3774417.0   126.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000036         0   0.20833E-01  410791.4 3774417.3   126.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000037         0   0.20833E-01  410805.4 3774417.6   126.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000038         0   0.20833E-01  410819.4 3774418.0   126.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000039         0   0.20833E-01  410833.4 3774418.3   127.0     3.40     6.51
3.16     YES   HRDOW            NO
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000041	0	0.20833E-01	410861.4	3774419.0	127.2	3.40	6.51	3.16	YES	HRDOW	NO
L0000042	0	0.20833E-01	410875.3	3774419.3	127.3	3.40	6.51	3.16	YES	HRDOW	NO
L0000043	0	0.20833E-01	410889.3	3774419.6	127.4	3.40	6.51	3.16	YES	HRDOW	NO
L0000044	0	0.20833E-01	410903.3	3774420.0	127.5	3.40	6.51	3.16	YES	HRDOW	NO
L0000045	0	0.20833E-01	410917.3	3774420.3	127.7	3.40	6.51	3.16	YES	HRDOW	NO
L0000046	0	0.20833E-01	410931.3	3774420.6	127.8	3.40	6.51	3.16	YES	HRDOW	NO
L0000047	0	0.20833E-01	410945.3	3774421.0	127.9	3.40	6.51	3.16	YES	HRDOW	NO
L0000048	0	0.20833E-01	410959.3	3774421.3	128.1	3.40	6.51	3.16	YES	HRDOW	NO
L0000049	0	0.29412E-01	410593.1	3774437.4	125.5	3.40	6.51	3.16	YES	HRDOW	NO
L0000050	0	0.29412E-01	410593.5	3774451.4	125.7	3.40	6.51	3.16	YES	HRDOW	NO
L0000051	0	0.29412E-01	410593.9	3774465.4	125.9	3.40	6.51	3.16	YES	HRDOW	NO
L0000052	0	0.29412E-01	410594.3	3774479.4	126.1	3.40	6.51	3.16	YES	HRDOW	NO
L0000053	0	0.29412E-01	410594.8	3774493.4	126.4	3.40	6.51	3.16	YES	HRDOW	NO
L0000054	0	0.29412E-01	410595.2	3774507.4	126.6	3.40	6.51	3.16	YES	HRDOW	NO

```
 L0000055         0   0.29412E-01  410595.6 3774521.4   126.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000056         0   0.29412E-01  410596.0 3774535.4   126.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000057         0   0.29412E-01  410596.4 3774549.4   126.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000058         0   0.29412E-01  410596.9 3774563.3   126.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000059         0   0.29412E-01  410597.3 3774577.3   126.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000060         0   0.29412E-01  410597.7 3774591.3   126.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000061         0   0.29412E-01  410604.1 3774600.4   126.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000062         0   0.29412E-01  410617.7 3774603.7   126.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000063         0   0.29412E-01  410631.4 3774606.9   126.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000064         0   0.29412E-01  410645.0 3774610.1   126.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000065         0   0.29412E-01  410658.6 3774613.3   127.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000066         0   0.29412E-01  410672.2 3774616.5   127.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000067         0   0.29412E-01  410685.9 3774619.7   127.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000068         0   0.29412E-01  410696.1 3774629.1   127.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000069         0   0.29412E-01  410706.1 3774638.9   127.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000070         0   0.29412E-01  410716.1 3774648.7   127.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000071         0   0.29412E-01  410726.1 3774658.5   127.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000072         0   0.29412E-01  410736.1 3774668.3   127.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000073         0   0.29412E-01  410746.1 3774678.1   127.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000074         0   0.29412E-01  410756.1 3774687.9   128.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000075         0   0.29412E-01  410766.1 3774697.7   128.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000076         0   0.29412E-01  410776.1 3774707.5   128.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000077         0   0.29412E-01  410786.1 3774717.3   128.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000078         0   0.29412E-01  410796.1 3774727.1   128.4     3.40     6.51
3.16     YES   HRDOW            NO
 L0000079         0   0.29412E-01  410806.1 3774736.9   128.6     3.40     6.51
3.16     YES   HRDOW            NO
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	AIRCRAFT EMISSION RATE SCALAR VARY BY
L0000081	0	0.29412E-01	410826.1	3774756.4	129.0	3.40	6.51	3.16	YES	HRDOW NO
L0000082	0	0.29412E-01	410836.1	3774766.2	129.5	3.40	6.51	3.16	YES	HRDOW NO
L0000083	0	0.27778E-01	410695.9	3774914.3	130.0	3.40	6.51	3.16	YES	HRDOW NO
L0000084	0	0.27778E-01	410706.0	3774904.7	129.8	3.40	6.51	3.16	YES	HRDOW NO
L0000085	0	0.27778E-01	410716.2	3774895.1	130.2	3.40	6.51	3.16	YES	HRDOW NO
L0000086	0	0.27778E-01	410726.3	3774885.4	129.9	3.40	6.51	3.16	YES	HRDOW NO
L0000087	0	0.27778E-01	410736.5	3774875.8	130.1	3.40	6.51	3.16	YES	HRDOW NO
L0000088	0	0.27778E-01	410746.6	3774866.1	130.2	3.40	6.51	3.16	YES	HRDOW NO
L0000089	0	0.27778E-01	410756.8	3774856.5	130.0	3.40	6.51	3.16	YES	HRDOW NO
L0000090	0	0.27778E-01	410766.9	3774846.8	129.3	3.40	6.51	3.16	YES	HRDOW NO
L0000091	0	0.27778E-01	410777.0	3774837.2	129.4	3.40	6.51	3.16	YES	HRDOW NO
L0000092	0	0.27778E-01	410787.2	3774827.5	129.8	3.40	6.51	3.16	YES	HRDOW NO
L0000093	0	0.27778E-01	410797.3	3774817.9	129.5	3.40	6.51	3.16	YES	HRDOW NO
L0000094	0	0.27778E-01	410807.5	3774808.3	129.6	3.40	6.51	3.16	YES	HRDOW NO

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 L0000095         0   0.27778E-01  410817.6 3774798.6   130.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000096         0   0.27778E-01  410827.8 3774789.0   129.5     3.40     6.51
3.16     YES   HRDOW            NO
 L0000097         0   0.27778E-01  410837.9 3774779.3   130.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000098         0   0.27778E-01  410848.1 3774769.7   130.2     3.40     6.51
3.16     YES   HRDOW            NO
 L0000099         0   0.27778E-01  410858.2 3774760.0   129.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000100         0   0.27778E-01  410868.4 3774750.4   130.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000101         0   0.27778E-01  410878.5 3774740.8   130.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000102         0   0.27778E-01  410888.7 3774731.1   129.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000103         0   0.27778E-01  410898.8 3774721.5   129.6     3.40     6.51
3.16     YES   HRDOW            NO
 L0000104         0   0.27778E-01  410909.0 3774711.8   129.8     3.40     6.51
3.16     YES   HRDOW            NO
 L0000105         0   0.27778E-01  410919.1 3774702.2   130.1     3.40     6.51
3.16     YES   HRDOW            NO
 L0000106         0   0.27778E-01  410929.3 3774692.5   129.7     3.40     6.51
3.16     YES   HRDOW            NO
 L0000107         0   0.27778E-01  410939.4 3774682.9   130.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000108         0   0.27778E-01  410949.6 3774673.2   130.4     3.40     6.51
3.16     YES   HRDOW            NO
 L0000109         0   0.27778E-01  410959.7 3774663.6   129.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000110         0   0.27778E-01  410969.9 3774654.0   130.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000111         0   0.27778E-01  410980.0 3774644.3   130.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000112         0   0.27778E-01  410990.2 3774634.7   129.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000113         0   0.27778E-01  411000.3 3774625.0   129.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000114         0   0.27778E-01  411010.5 3774615.4   130.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000115         0   0.27778E-01  411020.6 3774605.7   130.0     3.40     6.51
3.16     YES   HRDOW            NO
 L0000116         0   0.27778E-01  411030.8 3774596.1   129.9     3.40     6.51
3.16     YES   HRDOW            NO
 L0000117         0   0.27778E-01  411040.9 3774586.4   130.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000118         0   0.27778E-01  411051.1 3774576.8   130.3     3.40     6.51
3.16     YES   HRDOW            NO
 L0000119         0   0.83333E-01  410711.2 3774611.1   127.7     3.15     4.05
2.93     YES   HRDOW            NO
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000121	0	0.83333E-01	410720.0	3774596.0	127.6	3.15	4.05	2.93	YES	HRDOW	NO
L0000122	0	0.83333E-01	410724.4	3774588.5	127.5	3.15	4.05	2.93	YES	HRDOW	NO
L0000123	0	0.83333E-01	410724.9	3774581.3	127.5	3.15	4.05	2.93	YES	HRDOW	NO
L0000124	0	0.83333E-01	410719.6	3774574.4	127.3	3.15	4.05	2.93	YES	HRDOW	NO
L0000125	0	0.83333E-01	410714.2	3774567.6	127.1	3.15	4.05	2.93	YES	HRDOW	NO
L0000126	0	0.83333E-01	410713.0	3774559.4	127.0	3.15	4.05	2.93	YES	HRDOW	NO
L0000127	0	0.83333E-01	410713.2	3774550.7	126.9	3.15	4.05	2.93	YES	HRDOW	NO
L0000128	0	0.83333E-01	410713.4	3774542.0	126.8	3.15	4.05	2.93	YES	HRDOW	NO
L0000129	0	0.83333E-01	410713.6	3774533.3	126.8	3.15	4.05	2.93	YES	HRDOW	NO
L0000139	0	0.83333E-01	410713.8	3774524.6	126.8	3.15	4.05	2.93	YES	HRDOW	NO
L0000130	0	0.16667E+00	410701.5	3774572.6	127.0	3.15	4.05	2.93	YES	HRDOW	NO
L0000131	0	0.16667E+00	410701.7	3774563.9	126.9	3.15	4.05	2.93	YES	HRDOW	NO
L0000132	0	0.16667E+00	410701.9	3774555.2	126.8	3.15	4.05	2.93	YES	HRDOW	NO
L0000133	0	0.16667E+00	410702.1	3774546.5	126.7	3.15	4.05	2.93	YES	HRDOW	NO

*** SOURCE IDs DEFINING SOURCE GROUPS
***

SRCGROUP ID	SOURCE IDs
ARROW	L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 , L0000089 , L0000090 ,
	L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
	L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
	L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
	L0000115 , L0000116 , L0000117 , L0000118 ,
LIVEOAK	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,

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             L0000025    , L0000026    , L0000027    , L0000028    , L0000029    ,
L0000030    , L0000031    , L0000032    ,

             L0000033    , L0000034    , L0000035    , L0000036    , L0000037    ,
L0000038    , L0000039    , L0000040    ,

             L0000041    , L0000042    , L0000043    , L0000044    , L0000045    ,
L0000046    , L0000047    , L0000048    ,

  STEWARTR   L0000049    , L0000050    , L0000051    , L0000052    , L0000053    ,
L0000054    , L0000055    , L0000056    ,

             L0000057    , L0000058    , L0000059    , L0000060    , L0000061    ,
L0000062    , L0000063    , L0000064    ,

             L0000065    , L0000066    , L0000067    , L0000068    , L0000069    ,
L0000070    , L0000071    , L0000072    ,

             L0000073    , L0000074    , L0000075    , L0000076    , L0000077    ,
L0000078    , L0000079    , L0000080    ,

             L0000081    , L0000082    ,

  IDLE       L0000130    , L0000131    , L0000132    , L0000133    , L0000134    ,
L0000141    ,

  ONSITE     L0000119    , L0000120    , L0000121    , L0000122    , L0000123    ,
L0000124    , L0000125    , L0000126    ,

             L0000127    , L0000128    , L0000129    , L0000139    ,

  GENS       STCK1       ,
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:36:09

                                   PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

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


  CHE        L0000135    , L0000136    , L0000137    , L0000138    ,
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  ALL        L0000001    , L0000002    , L0000003    , L0000004    , L0000005    ,
L0000006    , L0000007    , L0000008    ,

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L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    , L0000021    ,
L0000022    , L0000023    , L0000024    ,

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L0000030    , L0000031    , L0000032    ,

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L0000070    , L0000071    , L0000072    ,

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L0000094    , L0000095    , L0000096    ,

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L0000102    , L0000103    , L0000104    ,

             L0000105    , L0000106    , L0000107    , L0000108    , L0000109    ,
L0000110    , L0000111    , L0000112    ,

             L0000113    , L0000114    , L0000115    , L0000116    , L0000117    ,
L0000118    , L0000119    , L0000120    ,

             L0000121    , L0000122    , L0000123    , L0000124    , L0000125    ,
L0000126    , L0000127    , L0000128    ,

             L0000129    , L0000139    , L0000130    , L0000131    , L0000132    ,
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L0000133   , L0000134   , L0000141   ,

             L0000135   , L0000136   , L0000137   , L0000138   , STCK1   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

              9818605.   L0000001   , L0000002   , L0000003   , L0000004   ,
L0000005   , L0000006   , L0000007   ,
 L0000008   ,

             L0000009   , L0000010   , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   ,

             L0000017   , L0000018   , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   ,

             L0000025   , L0000026   , L0000027   , L0000028   , L0000029   ,
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L0000038   , L0000039   , L0000040   ,

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L0000046   , L0000047   , L0000048   ,

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L0000054   , L0000055   , L0000056   ,

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L0000062   , L0000063   , L0000064   ,

             L0000065   , L0000066   , L0000067   , L0000068   , L0000069   ,
L0000070   , L0000071   , L0000072   ,

             L0000073   , L0000074   , L0000075   , L0000076   , L0000077   ,
L0000078   , L0000079   , L0000080   ,



*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.0,	104.8,	165.7,	-165.6,	15.8,	2	13.0,	122.8,	171.8,	-171.7,	-0.7,
3	13.0,	137.1,	172.8,	-172.5,	-17.2,	4	13.0,	147.2,	168.4,	-168.1,	-33.1,
5	13.0,	152.9,	159.0,	-158.5,	-48.1,	6	13.0,	153.9,	144.7,	-144.2,	-61.6,
7	13.0,	150.3,	126.0,	-125.5,	-73.2,	8	13.0,	153.5,	103.5,	-102.9,	-76.9,
9	13.0,	154.5,	88.3,	-77.3,	-77.3,	10	13.0,	165.7,	104.8,	-68.2,	-82.8,
11	13.0,	171.8,	122.8,	-60.7,	-85.7,	12	13.0,	172.8,	137.1,	-51.4,	-86.1,
13	13.0,	168.4,	147.2,	-40.5,	-83.8,	14	13.0,	159.0,	152.9,		

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-28.4,  -79.0,
   15   13.0,  144.7,  153.9,  -15.4,  -71.8,     16   13.0,  126.0,  150.3,
-1.9,  -62.5,
   17   13.0,  103.5,  153.5,    0.1,  -51.2,     18   13.0,   88.3,  154.5,
0.0,  -33.1,
   19   13.0,  104.8,  165.7,   -0.1,  -15.8,     20   13.0,  122.8,  171.8,
-0.2,    0.7,
   21   13.0,  137.1,  172.8,   -0.3,   17.2,     22   13.0,  147.2,  168.4,
-0.4,   33.1,
   23   13.0,  152.9,  159.0,   -0.4,   48.1,     24   13.0,  153.9,  144.7,
-0.5,   61.6,
   25   13.0,  150.3,  126.0,   -0.5,   73.2,     26   13.0,  153.5,  103.5,
-0.6,   76.9,
   27   13.0,  154.5,   88.3,  -11.1,   77.3,     28   13.0,  165.7,  104.8,
-36.6,   82.8,
   29   13.0,  171.8,  122.8,  -62.1,   85.7,     30   13.0,  172.8,  137.1,
-85.7,   86.1,
   31   13.0,  168.4,  147.2, -106.8,   83.8,     32   13.0,  159.0,  152.9,
-124.5,   79.0,
   33   13.0,  144.7,  153.9, -138.6,   71.8,     34   13.0,  126.0,  150.3,
-148.4,   62.5,
   35   13.0,  103.5,  153.5, -153.6,   51.2,     36   13.0,   88.3,  154.5,
-154.5,   33.1,

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000001     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:09

                                  PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000002     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000003   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000004   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000005     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000006     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000007   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000008   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000009     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000010   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :

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

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    9  .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  URBAN  ADJ_U*

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

 SOURCE ID = L0000013     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000014   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

                                                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

                                                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

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   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000017     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = L0000018   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

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 SOURCE ID = L0000019     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000020     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR 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

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

 SOURCE ID = L0000022   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000023   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                   PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000024     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000025   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR 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

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000029     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000030   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000031   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000032     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000033     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000034   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000035   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

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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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000036     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

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

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

 SOURCE ID = L0000037     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000038     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000039     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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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
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000040     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = L0000041     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = L0000042   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000043   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000044   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000045   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

```
 SOURCE ID = L0000046     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                   PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000047     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                   PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000048     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000050 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR 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

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

SOURCE ID = L0000051 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR 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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                   PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000052     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000053   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000054   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000055     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000056     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000057   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000058   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000059     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000060   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000062 ; SOURCE TYPE = VOLUME :

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

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    9  .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  URBAN  ADJ_U*

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

 SOURCE ID = L0000063     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000064   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                   PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000067     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000068   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

```
 SOURCE ID = L0000069     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000070     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

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

 SOURCE ID = L0000071   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000072   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000073   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000074     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000075   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000076 ; SOURCE TYPE = VOLUME :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000077 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000078 ; SOURCE TYPE = VOLUME :

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

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                   PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000079     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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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View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000080 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000081 ; SOURCE TYPE = VOLUME :

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

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

 SOURCE ID = L0000082   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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                                  PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000083     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000084 ; SOURCE TYPE = VOLUME :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000085 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	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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View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000086     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

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

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

 SOURCE ID = L0000087     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000088     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000089     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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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
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000090     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000091     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
```

OF WEEK (HRDOW) *

 SOURCE ID = L0000092   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000093   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000094   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000095   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

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 SOURCE ID = L0000096     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000097     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000098     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

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

SOURCE ID = L0000099 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000100 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR 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

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

SOURCE ID = L0000101 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR 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

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE 112
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000102     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000103   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000104   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000105     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000106     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000107 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000108 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	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
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000109     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000110   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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  URBAN  ADJ_U*

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

 SOURCE ID = L0000111     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

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

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

 SOURCE ID = L0000112     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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    9  .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  URBAN  ADJ_U*

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

 SOURCE ID = L0000113     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000114   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                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

                                                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

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

 SOURCE ID = L0000117   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000118   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

```
 SOURCE ID = L0000119     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000120     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

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

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

SOURCE ID = L0000121 ; SOURCE TYPE = VOLUME :

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

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

 SOURCE ID = L0000122   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

 SOURCE ID = L0000123   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                   PAGE 134
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000124     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0000125   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

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

SOURCE ID = L0000126 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000127 ; SOURCE TYPE = VOLUME :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000128 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR 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

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000129     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000139 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000130 ; SOURCE TYPE = VOLUME :

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

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

 SOURCE ID = L0000131   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000132     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
*** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000133 ; SOURCE TYPE = VOLUME :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000134 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 146
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000141     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE 147
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000135     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0000136     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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

 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                   PAGE 149
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000137     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
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```
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
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 150
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000138     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   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
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW7) *

 SOURCE ID = STCK1   ; SOURCE TYPE = POINT   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = MONDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = TUESDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = WEDNESDY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = THURSDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = FRIDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (410264.2, 3774023.1,   120.0,   120.0,   0.0);   (410309.2,
3774023.1,   120.1,   120.1,   0.0);
     (410354.2, 3774023.1,   120.7,   120.7,   0.0);   (410399.2,
3774023.1,   121.3,   121.3,   0.0);
     (410444.2, 3774023.1,   122.0,   122.0,   0.0);   (410489.2,
3774023.1,   121.7,   121.7,   0.0);
     (410534.2, 3774023.1,   121.8,   121.8,   0.0);   (410579.2,
3774023.1,   122.0,   122.0,   0.0);
     (410624.2, 3774023.1,   122.2,   122.2,   0.0);   (410669.2,
3774023.1,   122.8,   122.8,   0.0);
     (410714.2, 3774023.1,   123.0,   123.0,   0.0);   (410759.2,
3774023.1,   123.3,   123.3,   0.0);
     (410804.2, 3774023.1,   123.1,   123.1,   0.0);   (410849.2,
3774023.1,   123.6,   123.6,   0.0);
     (410894.2, 3774023.1,   124.0,   124.0,   0.0);   (410939.2,
3774023.1,   124.4,   124.4,   0.0);
     (410984.2, 3774023.1,   124.8,   124.8,   0.0);   (411029.2,
3774023.1,   125.0,   125.0,   0.0);
     (411074.2, 3774023.1,   125.4,   125.4,   0.0);   (411119.2,

```
3774023.1,     125.9,     125.9,       0.0);
     ( 411164.2, 3774023.1,     126.4,     126.4,       0.0);         ( 411209.2,
3774023.1,     126.8,     126.8,       0.0);
     ( 411254.2, 3774023.1,     127.1,     127.1,       0.0);         ( 411299.2,
3774023.1,     127.3,     127.3,       0.0);
     ( 410264.2, 3774068.1,     120.1,     120.1,       0.0);         ( 410309.2,
3774068.1,     120.5,     120.5,       0.0);
     ( 410354.2, 3774068.1,     120.9,     120.9,       0.0);         ( 410399.2,
3774068.1,     121.3,     121.3,       0.0);
     ( 410444.2, 3774068.1,     121.6,     121.6,       0.0);         ( 410489.2,
3774068.1,     122.0,     122.0,       0.0);
     ( 410534.2, 3774068.1,     121.9,     121.9,       0.0);         ( 410579.2,
3774068.1,     122.3,     122.3,       0.0);
     ( 410624.2, 3774068.1,     122.6,     122.6,       0.0);         ( 410669.2,
3774068.1,     123.4,     123.4,       0.0);
     ( 410714.2, 3774068.1,     123.6,     123.6,       0.0);         ( 410759.2,
3774068.1,     123.8,     123.8,       0.0);
     ( 410804.2, 3774068.1,     123.5,     123.5,       0.0);         ( 410849.2,
3774068.1,     124.3,     124.3,       0.0);
     ( 410894.2, 3774068.1,     124.7,     124.7,       0.0);         ( 410939.2,
3774068.1,     125.2,     125.2,       0.0);
     ( 410984.2, 3774068.1,     125.4,     125.4,       0.0);         ( 411029.2,
3774068.1,     125.5,     125.5,       0.0);
     ( 411074.2, 3774068.1,     125.8,     125.8,       0.0);         ( 411119.2,
3774068.1,     126.1,     126.1,       0.0);
     ( 411164.2, 3774068.1,     126.7,     126.7,       0.0);         ( 411209.2,
3774068.1,     126.8,     126.8,       0.0);
     ( 411254.2, 3774068.1,     127.3,     127.3,       0.0);         ( 411299.2,
3774068.1,     127.7,     127.7,       0.0);
     ( 410264.2, 3774113.1,     121.1,     121.1,       0.0);         ( 410309.2,
3774113.1,     121.1,     121.1,       0.0);
     ( 410354.2, 3774113.1,     120.8,     120.8,       0.0);         ( 410399.2,
3774113.1,     121.6,     121.6,       0.0);
     ( 410444.2, 3774113.1,     121.5,     121.5,       0.0);         ( 410489.2,
3774113.1,     122.2,     122.2,       0.0);
     ( 410534.2, 3774113.1,     122.7,     122.7,       0.0);         ( 410579.2,
3774113.1,     122.8,     122.8,       0.0);
     ( 410624.2, 3774113.1,     122.9,     122.9,       0.0);         ( 410669.2,
3774113.1,     123.6,     123.6,       0.0);
     ( 410714.2, 3774113.1,     124.0,     124.0,       0.0);         ( 410759.2,
3774113.1,     123.8,     123.8,       0.0);
     ( 410804.2, 3774113.1,     123.8,     123.8,       0.0);         ( 410849.2,
3774113.1,     124.6,     124.6,       0.0);
     ( 410894.2, 3774113.1,     125.0,     125.0,       0.0);         ( 410939.2,
3774113.1,     125.4,     125.4,       0.0);
     ( 410984.2, 3774113.1,     125.8,     125.8,       0.0);         ( 411029.2,
3774113.1,     126.0,     126.0,       0.0);
     ( 411074.2, 3774113.1,     126.1,     126.1,       0.0);         ( 411119.2,
3774113.1,     126.4,     126.4,       0.0);
     ( 411164.2, 3774113.1,     127.0,     127.0,       0.0);         ( 411209.2,
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3774113.1,   126.9,   126.9,   0.0);
     (411254.2, 3774113.1,   127.6,   127.6,   0.0);   (411299.2,
3774113.1,   128.0,   128.0,   0.0);
     (410264.2, 3774158.1,   121.1,   121.1,   0.0);   (410309.2,
3774158.1,   121.8,   121.8,   0.0);
     (410354.2, 3774158.1,   121.6,   121.6,   0.0);   (410399.2,
3774158.1,   121.6,   121.6,   0.0);
     (410444.2, 3774158.1,   122.1,   122.1,   0.0);   (410489.2,
3774158.1,   122.4,   122.4,   0.0);
     (410534.2, 3774158.1,   123.0,   123.0,   0.0);   (410579.2,
3774158.1,   123.2,   123.2,   0.0);
     (410624.2, 3774158.1,   123.8,   123.8,   0.0);   (410669.2,
3774158.1,   124.2,   124.2,   0.0);
     (410714.2, 3774158.1,   124.3,   124.3,   0.0);   (410759.2,
3774158.1,   124.4,   124.4,   0.0);
     (410804.2, 3774158.1,   124.2,   124.2,   0.0);   (410849.2,
3774158.1,   124.7,   124.7,   0.0);
     (410894.2, 3774158.1,   125.3,   125.3,   0.0);   (410939.2,
3774158.1,   125.6,   125.6,   0.0);
     (410984.2, 3774158.1,   126.1,   126.1,   0.0);   (411029.2,
3774158.1,   126.3,   126.3,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (411074.2, 3774158.1,   126.6,   126.6,   0.0);   (411119.2,
3774158.1,   126.8,   126.8,   0.0);
     (411164.2, 3774158.1,   127.2,   127.2,   0.0);   (411209.2,
3774158.1,   127.3,   127.3,   0.0);
     (411254.2, 3774158.1,   127.9,   127.9,   0.0);   (411299.2,
3774158.1,   128.2,   128.2,   0.0);
     (410264.2, 3774203.1,   120.4,   120.4,   0.0);   (410309.2,
3774203.1,   121.7,   121.7,   0.0);
     (410354.2, 3774203.1,   122.0,   122.0,   0.0);   (410399.2,
3774203.1,   122.2,   122.2,   0.0);
     (410444.2, 3774203.1,   122.5,   122.5,   0.0);   (410489.2,
3774203.1,   122.7,   122.7,   0.0);
     (410534.2, 3774203.1,   123.2,   123.2,   0.0);   (410579.2,
3774203.1,   123.5,   123.5,   0.0);
     (410624.2, 3774203.1,   123.7,   123.7,   0.0);   (410669.2,
3774203.1,   124.2,   124.2,   0.0);
     (410714.2, 3774203.1,   124.8,   124.8,   0.0);   (410759.2,

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3774203.1,     124.9,     124.9,       0.0);
     ( 410804.2, 3774203.1,     124.6,     124.6,       0.0);         ( 410849.2,
3774203.1,     125.4,     125.4,       0.0);
     ( 410894.2, 3774203.1,     125.8,     125.8,       0.0);         ( 410939.2,
3774203.1,     126.2,     126.2,       0.0);
     ( 410984.2, 3774203.1,     126.4,     126.4,       0.0);         ( 411029.2,
3774203.1,     126.8,     126.8,       0.0);
     ( 411074.2, 3774203.1,     126.9,     126.9,       0.0);         ( 411119.2,
3774203.1,     127.2,     127.2,       0.0);
     ( 411164.2, 3774203.1,     127.5,     127.5,       0.0);         ( 411209.2,
3774203.1,     127.8,     127.8,       0.0);
     ( 411254.2, 3774203.1,     128.5,     128.5,       0.0);         ( 411299.2,
3774203.1,     128.6,     128.6,       0.0);
     ( 410264.2, 3774248.1,     121.0,     121.0,       0.0);         ( 410309.2,
3774248.1,     121.6,     121.6,       0.0);
     ( 410354.2, 3774248.1,     122.4,     122.4,       0.0);         ( 410399.2,
3774248.1,     122.8,     122.8,       0.0);
     ( 410444.2, 3774248.1,     122.9,     122.9,       0.0);         ( 410489.2,
3774248.1,     123.1,     123.1,       0.0);
     ( 410534.2, 3774248.1,     123.3,     123.3,       0.0);         ( 410579.2,
3774248.1,     123.8,     123.8,       0.0);
     ( 410624.2, 3774248.1,     124.5,     124.5,       0.0);         ( 410669.2,
3774248.1,     125.1,     125.1,       0.0);
     ( 410714.2, 3774248.1,     125.2,     125.2,       0.0);         ( 410759.2,
3774248.1,     125.6,     125.6,       0.0);
     ( 410804.2, 3774248.1,     124.9,     124.9,       0.0);         ( 410849.2,
3774248.1,     125.7,     125.7,       0.0);
     ( 410894.2, 3774248.1,     126.0,     126.0,       0.0);         ( 410939.2,
3774248.1,     126.3,     126.3,       0.0);
     ( 410984.2, 3774248.1,     126.7,     126.7,       0.0);         ( 411029.2,
3774248.1,     127.0,     127.0,       0.0);
     ( 411074.2, 3774248.1,     127.3,     127.3,       0.0);         ( 411119.2,
3774248.1,     127.7,     127.7,       0.0);
     ( 411164.2, 3774248.1,     128.2,     128.2,       0.0);         ( 411209.2,
3774248.1,     128.2,     128.2,       0.0);
     ( 411254.2, 3774248.1,     128.9,     128.9,       0.0);         ( 411299.2,
3774248.1,     129.1,     129.1,       0.0);
     ( 410264.2, 3774293.1,     121.5,     121.5,       0.0);         ( 410309.2,
3774293.1,     122.1,     122.1,       0.0);
     ( 410354.2, 3774293.1,     122.6,     122.6,       0.0);         ( 410399.2,
3774293.1,     123.2,     123.2,       0.0);
     ( 410444.2, 3774293.1,     123.6,     123.6,       0.0);         ( 410489.2,
3774293.1,     123.8,     123.8,       0.0);
     ( 410534.2, 3774293.1,     123.7,     123.7,       0.0);         ( 410579.2,
3774293.1,     124.0,     124.0,       0.0);
     ( 410624.2, 3774293.1,     124.7,     124.7,       0.0);         ( 410669.2,
3774293.1,     125.8,     125.8,       0.0);
     ( 410714.2, 3774293.1,     125.2,     125.2,       0.0);         ( 410759.2,
3774293.1,     125.8,     125.8,       0.0);
     ( 410804.2, 3774293.1,     125.8,     125.8,       0.0);         ( 410849.2,
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3774293.1,     126.3,     126.3,       0.0);
     ( 410894.2, 3774293.1,     126.7,     126.7,       0.0);         ( 410939.2,
3774293.1,     126.9,     126.9,       0.0);
     ( 410984.2, 3774293.1,     126.9,     126.9,       0.0);         ( 411029.2,
3774293.1,     127.4,     127.4,       0.0);
     ( 411074.2, 3774293.1,     127.7,     127.7,       0.0);         ( 411119.2,
3774293.1,     128.1,     128.1,       0.0);
     ( 411164.2, 3774293.1,     128.6,     128.6,       0.0);         ( 411209.2,
3774293.1,     128.7,     128.7,       0.0);
     ( 411254.2, 3774293.1,     129.2,     129.2,       0.0);         ( 411299.2,
3774293.1,     129.5,     129.5,       0.0);
     ( 410264.2, 3774338.1,     122.0,     122.0,       0.0);         ( 410309.2,
3774338.1,     123.0,     123.0,       0.0);
     ( 410354.2, 3774338.1,     123.3,     123.3,       0.0);         ( 410399.2,
3774338.1,     123.6,     123.6,       0.0);
     ( 410444.2, 3774338.1,     124.0,     124.0,       0.0);         ( 410489.2,
3774338.1,     124.1,     124.1,       0.0);
     ( 410534.2, 3774338.1,     124.0,     124.0,       0.0);         ( 410579.2,
3774338.1,     124.5,     124.5,       0.0);
     ( 410624.2, 3774338.1,     125.0,     125.0,       0.0);         ( 410669.2,
3774338.1,     125.2,     125.2,       0.0);
     ( 410714.2, 3774338.1,     125.5,     125.5,       0.0);         ( 410759.2,
3774338.1,     125.7,     125.7,       0.0);
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:09

                                  PAGE 154
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 410804.2, 3774338.1,     127.0,     127.0,       0.0);         ( 410849.2,
3774338.1,     127.3,     127.3,       0.0);
     ( 410894.2, 3774338.1,     127.5,     127.5,       0.0);         ( 410939.2,
3774338.1,     127.8,     127.8,       0.0);
     ( 410984.2, 3774338.1,     127.4,     127.4,       0.0);         ( 411029.2,
3774338.1,     127.9,     127.9,       0.0);
     ( 411074.2, 3774338.1,     128.2,     128.2,       0.0);         ( 411119.2,
3774338.1,     128.5,     128.5,       0.0);
     ( 411164.2, 3774338.1,     128.9,     128.9,       0.0);         ( 411209.2,
3774338.1,     129.1,     129.1,       0.0);
     ( 411254.2, 3774338.1,     129.6,     129.6,       0.0);         ( 411299.2,
3774338.1,     129.7,     157.1,       0.0);
     ( 410264.2, 3774383.1,     122.4,     122.4,       0.0);         ( 410309.2,
3774383.1,     123.3,     123.3,       0.0);
     ( 410354.2, 3774383.1,     123.8,     123.8,       0.0);         ( 410399.2,
```

```
3774383.1,     124.2,     124.2,       0.0);
     ( 410444.2, 3774383.1,     124.5,     124.5,       0.0);         ( 410489.2,
3774383.1,     124.4,     124.4,       0.0);
     ( 410534.2, 3774383.1,     124.5,     124.5,       0.0);         ( 410579.2,
3774383.1,     124.9,     124.9,       0.0);
     ( 410624.2, 3774383.1,     125.6,     125.6,       0.0);         ( 410669.2,
3774383.1,     125.7,     125.7,       0.0);
     ( 410714.2, 3774383.1,     126.1,     126.1,       0.0);         ( 410759.2,
3774383.1,     126.2,     126.2,       0.0);
     ( 410804.2, 3774383.1,     126.9,     126.9,       0.0);         ( 410849.2,
3774383.1,     127.6,     127.6,       0.0);
     ( 410894.2, 3774383.1,     127.6,     127.6,       0.0);         ( 410939.2,
3774383.1,     128.0,     128.0,       0.0);
     ( 410984.2, 3774383.1,     127.5,     127.5,       0.0);         ( 411029.2,
3774383.1,     128.5,     128.5,       0.0);
     ( 411074.2, 3774383.1,     128.7,     128.7,       0.0);         ( 411119.2,
3774383.1,     128.9,     157.2,       0.0);
     ( 411164.2, 3774383.1,     129.4,     157.2,       0.0);         ( 411209.2,
3774383.1,     129.8,     157.2,       0.0);
     ( 411254.2, 3774383.1,     130.0,     157.2,       0.0);         ( 411299.2,
3774383.1,     130.2,     157.2,       0.0);
     ( 410264.2, 3774428.1,     123.6,     123.6,       0.0);         ( 410309.2,
3774428.1,     124.1,     124.1,       0.0);
     ( 410354.2, 3774428.1,     124.4,     124.4,       0.0);         ( 410399.2,
3774428.1,     124.6,     124.6,       0.0);
     ( 410444.2, 3774428.1,     124.6,     124.6,       0.0);         ( 410489.2,
3774428.1,     124.8,     124.8,       0.0);
     ( 410534.2, 3774428.1,     125.0,     125.0,       0.0);         ( 410579.2,
3774428.1,     125.3,     125.3,       0.0);
     ( 410264.2, 3774473.1,     123.5,     123.5,       0.0);         ( 410309.2,
3774473.1,     123.8,     123.8,       0.0);
     ( 410354.2, 3774473.1,     124.2,     124.2,       0.0);         ( 410399.2,
3774473.1,     124.4,     124.4,       0.0);
     ( 410444.2, 3774473.1,     124.7,     124.7,       0.0);         ( 410489.2,
3774473.1,     125.0,     125.0,       0.0);
     ( 410534.2, 3774473.1,     125.3,     125.3,       0.0);         ( 410579.2,
3774473.1,     125.7,     125.7,       0.0);
     ( 410264.2, 3774518.1,     124.5,     124.5,       0.0);         ( 410309.2,
3774518.1,     125.2,     125.2,       0.0);
     ( 410354.2, 3774518.1,     125.2,     125.2,       0.0);         ( 410399.2,
3774518.1,     125.4,     125.4,       0.0);
     ( 410444.2, 3774518.1,     126.1,     126.1,       0.0);         ( 410489.2,
3774518.1,     125.6,     125.6,       0.0);
     ( 410534.2, 3774518.1,     126.5,     126.5,       0.0);         ( 410579.2,
3774518.1,     126.5,     126.5,       0.0);
     ( 410264.2, 3774563.1,     125.2,     125.2,       0.0);         ( 410309.2,
3774563.1,     125.2,     125.2,       0.0);
     ( 410354.2, 3774563.1,     125.6,     125.6,       0.0);         ( 410399.2,
3774563.1,     125.7,     125.7,       0.0);
     ( 410444.2, 3774563.1,     125.9,     125.9,       0.0);         ( 410489.2,
```

3774563.1,   126.1,   126.1,   0.0);
     (410534.2, 3774563.1,   126.3,   126.3,   0.0);   (410579.2,
3774563.1,   126.6,   126.6,   0.0);
     (410264.2, 3774608.1,   125.3,   125.3,   0.0);   (410309.2,
3774608.1,   125.1,   125.1,   0.0);
     (410354.2, 3774608.1,   125.8,   125.8,   0.0);   (410399.2,
3774608.1,   126.2,   126.2,   0.0);
     (410444.2, 3774608.1,   126.8,   126.8,   0.0);   (410489.2,
3774608.1,   126.8,   126.8,   0.0);
     (410534.2, 3774608.1,   127.3,   127.3,   0.0);   (410579.2,
3774608.1,   127.0,   127.0,   0.0);
     (410624.2, 3774608.1,   126.8,   126.8,   0.0);   (410759.2,
3774608.1,   127.9,   127.9,   0.0);
     (410804.2, 3774608.1,   128.8,   157.2,   0.0);   (410354.2,
3774653.1,   125.8,   125.8,   0.0);
     (410399.2, 3774653.1,   125.8,   125.8,   0.0);   (410444.2,
3774653.1,   126.2,   126.2,   0.0);
     (410489.2, 3774653.1,   126.5,   126.5,   0.0);   (410534.2,
3774653.1,   126.3,   126.3,   0.0);
     (410579.2, 3774653.1,   126.4,   126.4,   0.0);   (410624.2,
3774653.1,   126.8,   126.8,   0.0);
     (410669.2, 3774653.1,   127.4,   127.4,   0.0);   (410714.2,
3774653.1,   127.3,   127.3,   0.0);
     (410759.2, 3774653.1,   127.8,   157.2,   0.0);   (410804.2,
3774653.1,   128.5,   157.2,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (410354.2, 3774698.1,   125.8,   125.8,   0.0);   (410399.2,
3774698.1,   126.3,   126.3,   0.0);
     (410444.2, 3774698.1,   126.6,   126.6,   0.0);   (410489.2,
3774698.1,   126.6,   126.6,   0.0);
     (410534.2, 3774698.1,   126.5,   126.5,   0.0);   (410579.2,
3774698.1,   126.3,   126.3,   0.0);
     (410624.2, 3774698.1,   126.4,   126.4,   0.0);   (410669.2,
3774698.1,   126.8,   126.8,   0.0);
     (410714.2, 3774698.1,   127.4,   157.2,   0.0);   (410759.2,
3774698.1,   128.2,   157.2,   0.0);
     (410804.2, 3774698.1,   128.9,   157.2,   0.0);   (410444.2,
3774743.1,   126.8,   126.8,   0.0);
     (410489.2, 3774743.1,   126.8,   126.8,   0.0);   (410534.2,

3774743.1,   126.7,   126.7,   0.0);
     (410579.2, 3774743.1,   126.6,   126.6,   0.0);   (410624.2,
3774743.1,   126.3,   126.3,   0.0);
     (410669.2, 3774743.1,   126.4,   157.2,   0.0);   (410714.2,
3774743.1,   126.9,   157.2,   0.0);
     (410759.2, 3774743.1,   127.6,   157.2,   0.0);   (410804.2,
3774743.1,   128.6,   157.2,   0.0);
     (410444.2, 3774788.1,   127.0,   127.0,   0.0);   (410489.2,
3774788.1,   127.0,   127.0,   0.0);
     (410534.2, 3774788.1,   127.0,   127.0,   0.0);   (410579.2,
3774788.1,   126.8,   156.8,   0.0);
     (410624.2, 3774788.1,   126.6,   157.2,   0.0);   (410669.2,
3774788.1,   126.3,   157.2,   0.0);
     (410714.2, 3774788.1,   126.6,   157.2,   0.0);   (410759.2,
3774788.1,   127.6,   157.2,   0.0);
     (410804.2, 3774788.1,   129.2,   157.2,   0.0);   (410489.2,
3774833.1,   127.3,   127.3,   0.0);
     (410534.2, 3774833.1,   127.4,   127.4,   0.0);   (410579.2,
3774833.1,   127.2,   157.2,   0.0);
     (410624.2, 3774833.1,   127.0,   157.2,   0.0);   (410669.2,
3774833.1,   126.8,   157.2,   0.0);
     (410714.2, 3774833.1,   127.5,   157.2,   0.0);   (410759.2,
3774833.1,   128.6,   157.2,   0.0);
     (410489.2, 3774878.1,   127.2,   127.2,   0.0);   (410534.2,
3774878.1,   127.7,   157.2,   0.0);
     (410579.2, 3774878.1,   127.7,   157.2,   0.0);   (410624.2,
3774878.1,   127.6,   157.2,   0.0);
     (410669.2, 3774878.1,   127.4,   157.2,   0.0);   (410714.2,
3774878.1,   129.1,   157.2,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
                      LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

                           SOURCE   - - RECEPTOR LOCATION - -
DISTANCE
                             ID   XR (METERS)   YR (METERS)
(METERS)
                          -
- - -

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: AZUS_V9_ADJU\AZUS_v9.SFC
Met Version: 16216
Profile file: AZUS_V9_ADJU\AZUS_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3179 Upper air station no.: 3190
Name: AZUSA 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	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	20.	9.1	293.1	5.5
12	01	01	1	02	-32.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.36	1.68	1.00	2.70	99.	9.1	293.1	5.5
12	01	01	1	03	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	14.	9.1	292.0	5.5
12	01	01	1	04	-32.6	0.342	-9.000	-9.000	-999.	480.	128.9	0.36	1.68	1.00	2.70	10.	9.1	292.5	5.5
12	01	01	1	05	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	12.	9.1	292.5	5.5
12	01	01	1	06	-21.6	0.224	-9.000	-9.000	-999.	256.	55.2	0.36	1.68	1.00	1.80	118.	9.1	289.2	5.5
12	01	01	1	07	-26.6	0.277	-9.000	-9.000	-999.	349.	84.1	0.36	1.68	1.00	2.20	64.	9.1	290.9	5.5

```
 12 01 01   1 08   -1.3  0.062 -9.000 -9.000 -999.  124.     16.5  0.36   1.68
0.55    0.40   36.    9.1  290.9    5.5
 12 01 01   1 09   38.1  0.160  0.348  0.008   39.  153.     -9.5  0.36   1.68
0.32    0.90  124.    9.1  293.8    5.5
 12 01 01   1 10   99.5  0.179  0.693  0.007  119.  181.     -5.1  0.36   1.68
0.25    0.90   21.    9.1  298.1    5.5
 12 01 01   1 11  142.6  0.494  1.086  0.005  321.  832.    -75.2  0.36   1.68
0.22    3.60  141.    9.1  299.9    5.5
 12 01 01   1 12  162.8  0.442  1.385  0.005  582.  709.    -47.3  0.36   1.68
0.21    3.10  122.    9.1  299.9    5.5
 12 01 01   1 13  164.4  0.298  1.634  0.005  946.  405.    -14.3  0.36   1.68
0.21    1.80  114.    9.1  300.9    5.5
 12 01 01   1 14  142.7  0.293  1.718  0.005 1265.  382.    -15.8  0.36   1.68
0.22    1.80   93.    9.1  302.5    5.5
 12 01 01   1 15   96.7  0.283  1.575  0.005 1438.  361.    -20.7  0.36   1.68
0.26    1.80  110.    9.1  303.8    5.5
 12 01 01   1 16   41.5  0.207  1.201  0.005 1485.  228.    -18.9  0.36   1.68
0.35    1.30  113.    9.1  304.2    5.5
 12 01 01   1 17  -37.8  0.464 -9.000 -9.000 -999.  757.    236.3  0.36   1.68
0.62    3.60  251.    9.1  300.9    5.5
 12 01 01   1 18  -26.1  0.277 -9.000 -9.000 -999.  379.     84.2  0.36   1.68
1.00    2.20    8.    9.1  296.4    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.36   1.68
1.00  999.00  999.   -9.0  295.9    5.5
 12 01 01   1 20   -5.7  0.107 -9.000 -9.000 -999.   84.     19.3  0.36   1.68
1.00    0.90   35.    9.1  295.4    5.5
 12 01 01   1 21  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80  213.    9.1  293.8    5.5
 12 01 01   1 22  -21.3  0.224 -9.000 -9.000 -999.  255.     55.3  0.36   1.68
1.00    1.80   52.    9.1  293.8    5.5
 12 01 01   1 23  -26.3  0.277 -9.000 -9.000 -999.  349.     84.2  0.36   1.68
1.00    2.20   58.    9.1  293.8    5.5
 12 01 01   1 24  -21.4  0.224 -9.000 -9.000 -999.  256.     55.3  0.36   1.68
1.00    1.80   83.    9.1  292.5    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   293.2   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   20.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:09

                                  PAGE 159
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROW ***

INCLUDING SOURCE(S): L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774023.13	0.12261	410309.21	3774023.13	0.12960
410354.21	3774023.13	0.13691	410399.21	3774023.13	0.14446
410444.21	3774023.13	0.15216	410489.21	3774023.13	0.15983
410534.21	3774023.13	0.16744	410579.21	3774023.13	0.17481
410624.21	3774023.13	0.18176	410669.21	3774023.13	0.18813
410714.21	3774023.13	0.19363	410759.21	3774023.13	0.19810
410804.21	3774023.13	0.20132	410849.21	3774023.13	0.20323
410894.21	3774023.13	0.20368	410939.21	3774023.13	0.20264
410984.21	3774023.13	0.20017	411029.21	3774023.13	0.19636
411074.21	3774023.13	0.19141	411119.21	3774023.13	0.18552
411164.21	3774023.13	0.17887	411209.21	3774023.13	0.17166
411254.21	3774023.13	0.16411	411299.21	3774023.13	0.15640
410264.21	3774068.13	0.13013	410309.21	3774068.13	0.13816
410354.21	3774068.13	0.14661	410399.21	3774068.13	0.15543
410444.21	3774068.13	0.16454	410489.21		

```
3774068.13        0.17381
         410534.21    3774068.13        0.18306                    410579.21
3774068.13        0.19221
         410624.21    3774068.13        0.20096                    410669.21
3774068.13        0.20914
         410714.21    3774068.13        0.21635                    410759.21
3774068.13        0.22237
         410804.21    3774068.13        0.22688                    410849.21
3774068.13        0.22978
         410894.21    3774068.13        0.23077                    410939.21
3774068.13        0.22980
         410984.21    3774068.13        0.22690                    411029.21
3774068.13        0.22222
         411074.21    3774068.13        0.21601                    411119.21
3774068.13        0.20855
         411164.21    3774068.13        0.20015                    411209.21
3774068.13        0.19108
         411254.21    3774068.13        0.18167                    411299.21
3774068.13        0.17215
         410264.21    3774113.13        0.13826                    410309.21
3774113.13        0.14745
         410354.21    3774113.13        0.15720                    410399.21
3774113.13        0.16759
         410444.21    3774113.13        0.17836                    410489.21
3774113.13        0.18957
         410534.21    3774113.13        0.20095                    410579.21
3774113.13        0.21228
         410624.21    3774113.13        0.22332                    410669.21
3774113.13        0.23385
         410714.21    3774113.13        0.24340                    410759.21
3774113.13        0.25154
         410804.21    3774113.13        0.25796                    410849.21
3774113.13        0.26232
         410894.21    3774113.13        0.26420                    410939.21
3774113.13        0.26345
         410984.21    3774113.13        0.26010                    411029.21
3774113.13        0.25428
         411074.21    3774113.13        0.24636                    411119.21
3774113.13        0.23676
         411164.21    3774113.13        0.22596                    411209.21
3774113.13        0.21435
         411254.21    3774113.13        0.20245                    411299.21
3774113.13        0.19053
         410264.21    3774158.13        0.14692                    410309.21
3774158.13        0.15752
         410354.21    3774158.13        0.16886                    410399.21
3774158.13        0.18100
         410444.21    3774158.13        0.19388                    410489.21
3774158.13        0.20737
         410534.21    3774158.13        0.22133                    410579.21
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ARROW   ***
                                  INCLUDING SOURCE(S):   L0000083   , L0000084
 , L0000085   , L0000086   , L0000087   ,
                 L0000088   , L0000089   , L0000090   , L0000091   , L0000092
 , L0000093   , L0000094   , L0000095   ,
                 L0000096   , L0000097   , L0000098   , L0000099   , L0000100
 , L0000101   , L0000102   , L0000103   ,
                 L0000104   , L0000105   , L0000106   , L0000107   , L0000108
 , L0000109   , L0000110   , . . .   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         410624.21   3774158.13   0.24959   410669.21
3774158.13   0.26322
         410714.21   3774158.13   0.27591   410759.21
3774158.13   0.28713
         410804.21   3774158.13   0.29626   410849.21
3774158.13   0.30284
         410894.21   3774158.13   0.30622   410939.21
3774158.13   0.30602
         410984.21   3774158.13   0.30218   411029.21
3774158.13   0.29484
         411074.21   3774158.13   0.28454   411119.21
3774158.13   0.27191
         411164.21   3774158.13   0.25769   411209.21
3774158.13   0.24259
         411254.21   3774158.13   0.22724   411299.21
3774158.13   0.21212
         410264.21   3774203.13   0.15611   410309.21
3774203.13   0.16834
         410354.21   3774203.13   0.18156   410399.21
3774203.13   0.19585

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         410444.21    3774203.13        0.21120                    410489.21
3774203.13        0.22751
         410534.21    3774203.13        0.24468                    410579.21
3774203.13        0.26241
         410624.21    3774203.13        0.28038                    410669.21
3774203.13        0.29822
         410714.21    3774203.13        0.31534                    410759.21
3774203.13        0.33092
         410804.21    3774203.13        0.34411                    410849.21
3774203.13        0.35424
         410894.21    3774203.13        0.36011                    410939.21
3774203.13        0.36109
         410984.21    3774203.13        0.35679                    411029.21
3774203.13        0.34743
         411074.21    3774203.13        0.33366                    411119.21
3774203.13        0.31659
         411164.21    3774203.13        0.29741                    411209.21
3774203.13        0.27727
         411254.21    3774203.13        0.25713                    411299.21
3774203.13        0.23766
         410264.21    3774248.13        0.16603                    410309.21
3774248.13        0.17999
         410354.21    3774248.13        0.19538                    410399.21
3774248.13        0.21223
         410444.21    3774248.13        0.23054                    410489.21
3774248.13        0.25032
         410534.21    3774248.13        0.27146                    410579.21
3774248.13        0.29378
         410624.21    3774248.13        0.31698                    410669.21
3774248.13        0.34048
         410714.21    3774248.13        0.36358                    410759.21
3774248.13        0.38550
         410804.21    3774248.13        0.40479                    410849.21
3774248.13        0.42051
         410894.21    3774248.13        0.43073                    410939.21
3774248.13        0.43411
         410984.21    3774248.13        0.42974                    411029.21
3774248.13        0.41758
         411074.21    3774248.13        0.39866                    411119.21
3774248.13        0.37480
         411164.21    3774248.13        0.34810                    411209.21
3774248.13        0.32050
         411254.21    3774248.13        0.29350                    411299.21
3774248.13        0.26807
         410264.21    3774293.13        0.17654                    410309.21
3774293.13        0.19253
         410354.21    3774293.13        0.21037                    410399.21
3774293.13        0.23022
         410444.21    3774293.13        0.25215                    410489.21
3774293.13        0.27620
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         410534.21    3774293.13        0.30231                      410579.21
3774293.13        0.33047
         410624.21    3774293.13        0.36039                      410669.21
3774293.13        0.39161
         410714.21    3774293.13        0.42307                      410759.21
3774293.13        0.45419
         410804.21    3774293.13        0.48310                      410849.21
3774293.13        0.50790
         410894.21    3774293.13        0.52586                      410939.21
3774293.13        0.53423
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 161
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ARROW    ***
                                  INCLUDING SOURCE(S):     L0000083    , L0000084
 , L0000085    , L0000086    , L0000087    ,
                  L0000088    , L0000089    , L0000090    , L0000091    , L0000092
 , L0000093    , L0000094    , L0000095    ,
                  L0000096    , L0000097    , L0000098    , L0000099    , L0000100
 , L0000101    , L0000102    , L0000103    ,
                  L0000104    , L0000105    , L0000106    , L0000107    , L0000108
 , L0000109    , L0000110    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         410984.21    3774293.13        0.53076                      411029.21
3774293.13        0.51484
         411074.21    3774293.13        0.48779                      411119.21
3774293.13        0.45294
         411164.21    3774293.13        0.41426                      411209.21
3774293.13        0.37524
         411254.21    3774293.13        0.33825                      411299.21
3774293.13        0.30454
         410264.21    3774338.13        0.18760                      410309.21
3774338.13        0.20594
         410354.21    3774338.13        0.22660                      410399.21
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3774338.13 0.24993
410444.21 3774338.13 0.27614 410489.21
3774338.13 0.30540
410534.21 3774338.13 0.33779 410579.21
3774338.13 0.37348
410624.21 3774338.13 0.41226 410669.21
3774338.13 0.45372
410714.21 3774338.13 0.49728 410759.21
3774338.13 0.54183
410804.21 3774338.13 0.58573 410849.21
3774338.13 0.62574
410894.21 3774338.13 0.65786 410939.21
3774338.13 0.67686
410984.21 3774338.13 0.67732 411029.21
3774338.13 0.65643
411074.21 3774338.13 0.61575 411119.21
3774338.13 0.56184
411164.21 3774338.13 0.50298 411209.21
3774338.13 0.44578
411254.21 3774338.13 0.39392 411299.21
3774338.13 0.34871
410264.21 3774383.13 0.19913 410309.21
3774383.13 0.22005
410354.21 3774383.13 0.24399 410399.21
3774383.13 0.27141
410444.21 3774383.13 0.30275 410489.21
3774383.13 0.33834
410534.21 3774383.13 0.37864 410579.21
3774383.13 0.42397
410624.21 3774383.13 0.47453 410669.21
3774383.13 0.53012
410714.21 3774383.13 0.59067 410759.21
3774383.13 0.65522
410804.21 3774383.13 0.72229 410849.21
3774383.13 0.78838
410894.21 3774383.13 0.84739 410939.21
3774383.13 0.88998
410984.21 3774383.13 0.90333 411029.21
3774383.13 0.87724
411074.21 3774383.13 0.81154 411119.21
3774383.13 0.72113
411164.21 3774383.13 0.62563 411209.21
3774383.13 0.53836
411254.21 3774383.13 0.46420 411299.21
3774383.13 0.40297
410264.21 3774428.13 0.21113 410309.21
3774428.13 0.23488
410354.21 3774428.13 0.26250 410399.21
3774428.13 0.29463
410444.21 3774428.13 0.33200 410489.21

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3774428.13        0.37540
         410534.21    3774428.13        0.42557                      410579.21
3774428.13        0.48329
         410264.21    3774473.13        0.22321                      410309.21
3774473.13        0.25007
         410354.21    3774473.13        0.28182                      410399.21
3774473.13        0.31940
         410444.21    3774473.13        0.36396                      410489.21
3774473.13        0.41678
         410534.21    3774473.13        0.47927                      410579.21
3774473.13        0.55303
         410264.21    3774518.13        0.23538                      410309.21
3774518.13        0.26569
         410354.21    3774518.13        0.30196                      410399.21
3774518.13        0.34571
         410444.21    3774518.13        0.39873                      410489.21
3774518.13        0.46278
         410534.21    3774518.13        0.54074                      410579.21
3774518.13        0.63504
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View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 162
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ARROW    ***
                                  INCLUDING SOURCE(S):     L0000083    , L0000084
 , L0000085    , L0000086    , L0000087    ,
                 L0000088    , L0000089    , L0000090    , L0000091    , L0000092
 , L0000093    , L0000094    , L0000095    ,
                 L0000096    , L0000097    , L0000098    , L0000099    , L0000100
 , L0000101    , L0000102    , L0000103    ,
                 L0000104    , L0000105    , L0000106    , L0000107    , L0000108
 , L0000109    , L0000110    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         410264.21    3774563.13        0.24722                      410309.21
3774563.13        0.28103
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         410354.21    3774563.13        0.32227                    410399.21
3774563.13        0.37288
         410444.21    3774563.13        0.43547                    410489.21
3774563.13        0.51321
         410534.21    3774563.13        0.61011                    410579.21
3774563.13        0.73108
         410264.21    3774608.13        0.25834                    410309.21
3774608.13        0.29577
         410354.21    3774608.13        0.34222                    410399.21
3774608.13        0.40035
         410444.21    3774608.13        0.47390                    410489.21
3774608.13        0.56768
         410534.21    3774608.13        0.68823                    410579.21
3774608.13        0.84371
         410624.21    3774608.13        1.04512                    410759.21
3774608.13        2.13226
         410804.21    3774608.13        2.81700                    410354.21
3774653.13        0.36103
         410399.21    3774653.13        0.42693                    410444.21
3774653.13        0.51244
         410489.21    3774653.13        0.62481                    410534.21
3774653.13        0.77418
         410579.21    3774653.13        0.97480                    410624.21
3774653.13        1.24642
         410669.21    3774653.13        1.61780                    410714.21
3774653.13        2.13489
         410759.21    3774653.13        2.88810                    410804.21
3774653.13        4.07476
         410354.21    3774698.13        0.37771                    410399.21
3774698.13        0.45149
         410444.21    3774698.13        0.54955                    410489.21
3774698.13        0.68267
         410534.21    3774698.13        0.86707                    410579.21
3774698.13        1.12691
         410624.21    3774698.13        1.49859                    410669.21
3774698.13        2.03813
         410714.21    3774698.13        2.84209                    410759.21
3774698.13        4.11922
         410804.21    3774698.13        6.42969                    410444.21
3774743.13        0.58229
         410489.21    3774743.13        0.73729                    410534.21
3774743.13        0.96240
         410579.21    3774743.13        1.30008                    410624.21
3774743.13        1.82014
         410669.21    3774743.13        2.64069                    410714.21
3774743.13        3.98899
         410759.21    3774743.13        6.45018                    410804.21
3774743.13       12.17196
         410444.21    3774788.13        0.60686                    410489.21
3774788.13        0.78228
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         410534.21    3774788.13        1.05086                      410579.21
3774788.13        1.48627
         410624.21    3774788.13        2.23322                      410669.21
3774788.13        3.57920
         410714.21    3774788.13        6.17789                      410759.21
3774788.13       12.30655
         410804.21    3774788.13       38.29943                      410489.21
3774833.13        0.80877
         410534.21    3774833.13        1.11446                      410579.21
3774833.13        1.65591
         410624.21    3774833.13        2.74303                      410669.21
3774833.13        5.24272
         410714.21    3774833.13       11.85195                      410759.21
3774833.13       40.75990
         410489.21    3774878.13        0.80693                      410534.21
3774878.13        1.12682
         410579.21    3774878.13        1.73514                      410624.21
3774878.13        3.20473
         410669.21    3774878.13        8.61060                      410714.21
3774878.13       29.15034
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:09

                                  PAGE 163
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LIVEOAK  ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410264.21    3774023.13        0.38558                      410309.21
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3774023.13 0.41762
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3774023.13 0.47388
410444.21 3774023.13 0.49600 410489.21
3774023.13 0.51308
410534.21 3774023.13 0.52496 410579.21
3774023.13 0.53145
410624.21 3774023.13 0.53245 410669.21
3774023.13 0.52803
410714.21 3774023.13 0.51817 410759.21
3774023.13 0.50315
410804.21 3774023.13 0.48329 410849.21
3774023.13 0.45935
410894.21 3774023.13 0.43212 410939.21
3774023.13 0.40270
410984.21 3774023.13 0.37230 411029.21
3774023.13 0.34206
411074.21 3774023.13 0.31287 411119.21
3774023.13 0.28536
411164.21 3774023.13 0.25999 411209.21
3774023.13 0.23705
411254.21 3774023.13 0.21649 411299.21
3774023.13 0.19822
410264.21 3774068.13 0.45206 410309.21
3774068.13 0.49594
410354.21 3774068.13 0.53683 410399.21
3774068.13 0.57295
410444.21 3774068.13 0.60298 410489.21
3774068.13 0.62620
410534.21 3774068.13 0.64217 410579.21
3774068.13 0.65106
410624.21 3774068.13 0.65271 410669.21
3774068.13 0.64731
410714.21 3774068.13 0.63475 410759.21
3774068.13 0.61527
410804.21 3774068.13 0.58916 410849.21
3774068.13 0.55725
410894.21 3774068.13 0.52054 410939.21
3774068.13 0.48069
410984.21 3774068.13 0.43955 411029.21
3774068.13 0.39903
411074.21 3774068.13 0.36045 411119.21
3774068.13 0.32487
411164.21 3774068.13 0.29257 411209.21
3774068.13 0.26416
411254.21 3774068.13 0.23895 411299.21
3774068.13 0.21695
410264.21 3774113.13 0.53962 410309.21
3774113.13 0.60155
410354.21 3774113.13 0.65927 410399.21

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3774113.13        0.71018
         410444.21    3774113.13        0.75167                      410489.21
3774113.13        0.78348
         410534.21    3774113.13        0.80521                      410579.21
3774113.13        0.81712
         410624.21    3774113.13        0.81956                      410669.21
3774113.13        0.81280
         410714.21    3774113.13        0.79667                      410759.21
3774113.13        0.77115
         410804.21    3774113.13        0.73639                      410849.21
3774113.13        0.69298
         410894.21    3774113.13        0.64231                      410939.21
3774113.13        0.58671
         410984.21    3774113.13        0.52920                      411029.21
3774113.13        0.47318
         411074.21    3774113.13        0.42089                      411119.21
3774113.13        0.37372
         411164.21    3774113.13        0.33197                      411209.21
3774113.13        0.29639
         411254.21    3774113.13        0.26519                      411299.21
3774113.13        0.23876
         410264.21    3774158.13        0.65859                      410309.21
3774158.13        0.75039
         410354.21    3774158.13        0.83582                      410399.21
3774158.13        0.90941
         410444.21    3774158.13        0.96837                      410489.21
3774158.13        1.01206
         410534.21    3774158.13        1.04136                      410579.21
3774158.13        1.05727
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE 164
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LIVEOAK  ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410624.21	3774158.13	1.06076	410669.21	3774158.13	1.05205
410714.21	3774158.13	1.03110	410759.21	3774158.13	0.99739
410804.21	3774158.13	0.95039	410849.21	3774158.13	0.89007
410894.21	3774158.13	0.81784	410939.21	3774158.13	0.73720
410984.21	3774158.13	0.65346	411029.21	3774158.13	0.57293
411074.21	3774158.13	0.49934	411119.21	3774158.13	0.43527
411164.21	3774158.13	0.38054	411209.21	3774158.13	0.33498
411254.21	3774158.13	0.29642	411299.21	3774158.13	0.26434
410264.21	3774203.13	0.82830	410309.21	3774203.13	0.97344
410354.21	3774203.13	1.10759	410399.21	3774203.13	1.21925
410444.21	3774203.13	1.30451	410489.21	3774203.13	1.36498
410534.21	3774203.13	1.40417	410579.21	3774203.13	1.42489
410624.21	3774203.13	1.42913	410669.21	3774203.13	1.41767
410714.21	3774203.13	1.38988	410759.21	3774203.13	1.34478
410804.21	3774203.13	1.28025	410849.21	3774203.13	1.19392
410894.21	3774203.13	1.08668	410939.21	3774203.13	0.96339
410984.21	3774203.13	0.83469	411029.21	3774203.13	0.71200
411074.21	3774203.13	0.60439	411119.21	3774203.13	0.51446
411164.21	3774203.13	0.44129	411209.21	3774203.13	0.38228
411254.21	3774203.13	0.33369	411299.21	3774203.13	0.29466
410264.21	3774248.13	1.08890	410309.21	3774248.13	1.34108

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         410354.21    3774248.13        1.57104                      410399.21
3774248.13        1.74998
         410444.21    3774248.13        1.87605                      410489.21
3774248.13        1.95955
         410534.21    3774248.13        2.01057                      410579.21
3774248.13        2.03599
         410624.21    3774248.13        2.03923                      410669.21
3774248.13        2.02191
         410714.21    3774248.13        1.98424                      410759.21
3774248.13        1.92116
         410804.21    3774248.13        1.83210                      410849.21
3774248.13        1.70472
         410894.21    3774248.13        1.53770                      410939.21
3774248.13        1.33530
         410984.21    3774248.13        1.11849                      411029.21
3774248.13        0.91679
         411074.21    3774248.13        0.74951                      411119.21
3774248.13        0.61884
         411164.21    3774248.13        0.51810                      411209.21
3774248.13        0.44138
         411254.21    3774248.13        0.37958                      411299.21
3774248.13        0.33125
         410264.21    3774293.13        1.53073                      410309.21
3774293.13        2.05142
         410354.21    3774293.13        2.50457                      410399.21
3774293.13        2.81102
         410444.21    3774293.13        2.99929                      410489.21
3774293.13        3.11065
         410534.21    3774293.13        3.17071                      410579.21
3774293.13        3.19442
         410624.21    3774293.13        3.18867                      410669.21
3774293.13        3.15009
         410714.21    3774293.13        3.09917                      410759.21
3774293.13        3.00664
         410804.21    3774293.13        2.87479                      410849.21
3774293.13        2.67966
         410894.21    3774293.13        2.40153                      410939.21
3774293.13        2.02990
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LIVEOAK  ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
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                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         410984.21    3774293.13        1.61108                      411029.21
3774293.13        1.23627
         411074.21    3774293.13        0.95740                      411119.21
3774293.13        0.76008
         411164.21    3774293.13        0.61808                      411209.21
3774293.13        0.51524
         411254.21    3774293.13        0.43620                      411299.21
3774293.13        0.37568
         410264.21    3774338.13        2.40714                      410309.21
3774338.13        3.93057
         410354.21    3774338.13        5.07111                      410399.21
3774338.13        5.62094
         410444.21    3774338.13        5.87608                      410489.21
3774338.13        5.98496
         410534.21    3774338.13        6.01126                      410579.21
3774338.13        5.98823
         410624.21    3774338.13        5.92837                      410669.21
3774338.13        5.83681
         410714.21    3774338.13        5.71348                      410759.21
3774338.13        5.55122
         410804.21    3774338.13        5.31563                      410849.21
3774338.13        4.99186
         410894.21    3774338.13        4.49341                      410939.21
3774338.13        3.67493
         410984.21    3774338.13        2.62246                      411029.21
3774338.13        1.77386
         411074.21    3774338.13        1.26306                      411119.21
3774338.13        0.95092
         411164.21    3774338.13        0.74690                      411209.21
3774338.13        0.60640
         411254.21    3774338.13        0.50451                      411299.21
3774338.13        0.42852
         410264.21    3774383.13        4.33465                      410309.21
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3774383.13       15.50989
         410354.21    3774383.13       19.54982                       410399.21
3774383.13       19.92553
         410444.21    3774383.13       19.66274                       410489.21
3774383.13       19.12028
         410534.21    3774383.13       18.53788                       410579.21
3774383.13       17.95474
         410624.21    3774383.13       17.37781                       410669.21
3774383.13       16.76183
         410714.21    3774383.13       16.15191                       410759.21
3774383.13       15.51768
         410804.21    3774383.13       14.85411                       410849.21
3774383.13       14.02119
         410894.21    3774383.13       12.90796                       410939.21
3774383.13       10.45951
         410984.21    3774383.13        5.40129                       411029.21
3774383.13        2.68169
         411074.21    3774383.13        1.67663                       411119.21
3774383.13        1.18403
         411164.21    3774383.13        0.89576                       411209.21
3774383.13        0.71020
         411254.21    3774383.13        0.58084                       411299.21
3774383.13        0.48644
         410264.21    3774428.13        4.39298                       410309.21
3774428.13       16.22074
         410354.21    3774428.13       22.67763                       410399.21
3774428.13       25.34453
         410444.21    3774428.13       27.27367                       410489.21
3774428.13       29.09046
         410534.21    3774428.13       30.88369                       410579.21
3774428.13       32.78880
         410264.21    3774473.13        2.46867                       410309.21
3774473.13        4.12829
         410354.21    3774473.13        5.67174                       410399.21
3774473.13        6.70465
         410444.21    3774473.13        7.38825                       410489.21
3774473.13        7.87512
         410534.21    3774473.13        8.25692                       410579.21
3774473.13        8.58570
         410264.21    3774518.13        1.57150                       410309.21
3774518.13        2.13288
         410354.21    3774518.13        2.71851                       410399.21
3774518.13        3.22264
         410444.21    3774518.13        3.59863                       410489.21
3774518.13        3.93250
         410534.21    3774518.13        4.14436                       410579.21
3774518.13        4.33408
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View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAK ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	1.11484	410309.21	3774563.13	1.39513
410354.21	3774563.13	1.67520	410399.21	3774563.13	1.94204
410444.21	3774563.13	2.17485	410489.21	3774563.13	2.37197
410534.21	3774563.13	2.53202	410579.21	3774563.13	2.65625
410264.21	3774608.13	0.84829	410309.21	3774608.13	1.01171
410354.21	3774608.13	1.17048	410399.21	3774608.13	1.32264
410444.21	3774608.13	1.46040	410489.21	3774608.13	1.58848
410534.21	3774608.13	1.69297	410579.21	3774608.13	1.78723
410624.21	3774608.13	1.86016	410759.21	3774608.13	1.92516
410804.21	3774608.13	1.89015	410354.21	3774653.13	0.87874
410399.21	3774653.13	0.97921	410444.21	3774653.13	1.06974
410489.21	3774653.13	1.15232	410534.21	3774653.13	1.22830

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         410579.21    3774653.13        1.29008                     410624.21
3774653.13        1.33577
         410669.21    3774653.13        1.36507                     410714.21
3774653.13        1.38505
         410759.21    3774653.13        1.38192                     410804.21
3774653.13        1.35966
         410354.21    3774698.13        0.69072                     410399.21
3774698.13        0.75623
         410444.21    3774698.13        0.81813                     410489.21
3774698.13        0.87580
         410534.21    3774698.13        0.92690                     410579.21
3774698.13        0.97101
         410624.21    3774698.13        1.00475                     410669.21
3774698.13        1.02654
         410714.21    3774698.13        1.03667                     410759.21
3774698.13        1.03277
         410804.21    3774698.13        1.01974                     410444.21
3774743.13        0.64921
         410489.21    3774743.13        0.68977                     410534.21
3774743.13        0.72575
         410579.21    3774743.13        0.75631                     410624.21
3774743.13        0.78100
         410669.21    3774743.13        0.79748                     410714.21
3774743.13        0.80508
         410759.21    3774743.13        0.80331                     410804.21
3774743.13        0.79225
         410444.21    3774788.13        0.52944                     410489.21
3774788.13        0.55875
         410534.21    3774788.13        0.58438                     410579.21
3774788.13        0.60619
         410624.21    3774788.13        0.62382                     410669.21
3774788.13        0.63623
         410714.21    3774788.13        0.64190                     410759.21
3774788.13        0.63983
         410804.21    3774788.13        0.63103                     410489.21
3774833.13        0.46247
         410534.21    3774833.13        0.48112                     410579.21
3774833.13        0.49707
         410624.21    3774833.13        0.50968                     410669.21
3774833.13        0.51858
         410714.21    3774833.13        0.52155                     410759.21
3774833.13        0.51955
         410489.21    3774878.13        0.39047                     410534.21
3774878.13        0.40374
         410579.21    3774878.13        0.41538                     410624.21
3774878.13        0.42453
         410669.21    3774878.13        0.43101                     410714.21
3774878.13        0.43075
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View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STEWARTR ***
INCLUDING SOURCE(S): L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774023.13	0.21996	410309.21	3774023.13	0.23659
410354.21	3774023.13	0.25313	410399.21	3774023.13	0.26875
410444.21	3774023.13	0.28254	410489.21	3774023.13	0.29349
410534.21	3774023.13	0.30100	410579.21	3774023.13	0.30464
410624.21	3774023.13	0.30435	410669.21	3774023.13	0.30047
410714.21	3774023.13	0.29344	410759.21	3774023.13	0.28393
410804.21	3774023.13	0.27256	410849.21	3774023.13	0.26003
410894.21	3774023.13	0.24681	410939.21	3774023.13	0.23333
410984.21	3774023.13	0.21993	411029.21	3774023.13	0.20685
411074.21	3774023.13	0.19428	411119.21	3774023.13	0.18232
411164.21	3774023.13	0.17103	411209.21	3774023.13	0.16045
411254.21	3774023.13	0.15059	411299.21		

3774023.13 0.14144
410264.21 3774068.13 0.24333 410309.21
3774068.13 0.26461
410354.21 3774068.13 0.28630 410399.21
3774068.13 0.30740
410444.21 3774068.13 0.32656 410489.21
3774068.13 0.34233
410534.21 3774068.13 0.35333 410579.21
3774068.13 0.35890
410624.21 3774068.13 0.35873 410669.21
3774068.13 0.35335
410714.21 3774068.13 0.34350 410759.21
3774068.13 0.33031
410804.21 3774068.13 0.31480 410849.21
3774068.13 0.29802
410894.21 3774068.13 0.28063 410939.21
3774068.13 0.26322
410984.21 3774068.13 0.24621 411029.21
3774068.13 0.22990
411074.21 3774068.13 0.21446 411119.21
3774068.13 0.19998
411164.21 3774068.13 0.18646 411209.21
3774068.13 0.17400
411254.21 3774068.13 0.16244 411299.21
3774068.13 0.15180
410264.21 3774113.13 0.27015 410309.21
3774113.13 0.29744
410354.21 3774113.13 0.32612 410399.21
3774113.13 0.35519
410444.21 3774113.13 0.38238 410489.21
3774113.13 0.40567
410534.21 3774113.13 0.42248 410579.21
3774113.13 0.43110
410624.21 3774113.13 0.43105 410669.21
3774113.13 0.42312
410714.21 3774113.13 0.40874 410759.21
3774113.13 0.38978
410804.21 3774113.13 0.36807 410849.21
3774113.13 0.34509
410894.21 3774113.13 0.32185 410939.21
3774113.13 0.29911
410984.21 3774113.13 0.27737 411029.21
3774113.13 0.25689
411074.21 3774113.13 0.23781 411119.21
3774113.13 0.22019
411164.21 3774113.13 0.20396 411209.21
3774113.13 0.18925
411254.21 3774113.13 0.17562 411299.21
3774113.13 0.16333
410264.21 3774158.13 0.30053 410309.21

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STEWARTR ***
INCLUDING SOURCE(S): L0000049 , L0000050 , L0000051 , L0000052 , L0000053 ,
L0000054 , L0000055 , L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410624.21	3774158.13	0.53086	410669.21	3774158.13	0.51830
410714.21	3774158.13	0.49609	410759.21	3774158.13	0.46776
410804.21	3774158.13	0.43636	410849.21	3774158.13	0.40420
410894.21	3774158.13	0.37267	410939.21	3774158.13	0.34265
410984.21	3774158.13	0.31458	411029.21	3774158.13	0.28869
411074.21	3774158.13	0.26499	411119.21	3774158.13	0.24348
411164.21	3774158.13	0.22396	411209.21	3774158.13	0.20642

411254.21 3774158.13 0.19043 411299.21
3774158.13 0.17616
410264.21 3774203.13 0.33470 410309.21
3774203.13 0.38049
410354.21 3774203.13 0.43257 410399.21
3774203.13 0.48997
410444.21 3774203.13 0.54966 410489.21
3774203.13 0.60584
410534.21 3774203.13 0.65030 410579.21
3774203.13 0.67466
410624.21 3774203.13 0.67484 410669.21
3774203.13 0.65331
410714.21 3774203.13 0.61673 410759.21
3774203.13 0.57231
410804.21 3774203.13 0.52546 410849.21
3774203.13 0.47951
410894.21 3774203.13 0.43611 410939.21
3774203.13 0.39600
410984.21 3774203.13 0.35947 411029.21
3774203.13 0.32647
411074.21 3774203.13 0.29693 411119.21
3774203.13 0.27050
411164.21 3774203.13 0.24687 411209.21
3774203.13 0.22590
411254.21 3774203.13 0.20700 411299.21
3774203.13 0.19052
410264.21 3774248.13 0.37295 410309.21
3774248.13 0.43187
410354.21 3774248.13 0.50248 410399.21
3774248.13 0.58507
410444.21 3774248.13 0.67724 410489.21
3774248.13 0.77118
410534.21 3774248.13 0.85132 410579.21
3774248.13 0.89748
410624.21 3774248.13 0.89695 410669.21
3774248.13 0.85507
410714.21 3774248.13 0.78947 410759.21
3774248.13 0.71608
410804.21 3774248.13 0.64402 410849.21
3774248.13 0.57708
410894.21 3774248.13 0.51651 410939.21
3774248.13 0.46235
410984.21 3774248.13 0.41433 411029.21
3774248.13 0.37200
411074.21 3774248.13 0.33475 411119.21
3774248.13 0.30196
411164.21 3774248.13 0.27308 411209.21
3774248.13 0.24825
411254.21 3774248.13 0.22594 411299.21
3774248.13 0.20669

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STEWARTR ***
INCLUDING SOURCE(S): L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774293.13	0.41454	410309.21	3774293.13	0.48993
410354.21	3774293.13	0.58517	410399.21	3774293.13	0.70469
410444.21	3774293.13	0.85080	410489.21	3774293.13	1.01751
410534.21	3774293.13	1.17824	410579.21	3774293.13	1.27937
410624.21	3774293.13	1.27348	410669.21	3774293.13	1.17731
410714.21	3774293.13	1.04743	410759.21	3774293.13	0.91969
410804.21	3774293.13	0.80560	410849.21	3774293.13	0.70599
410894.21	3774293.13	0.61992	410939.21	3774293.13	0.54587
410984.21	3774293.13	0.48227	411029.21	3774293.13	0.42707
411074.21	3774293.13	0.37980	411119.21	3774293.13	0.33904
411164.21	3774293.13	0.30378	411209.21		

3774293.13 0.27391
411254.21 3774293.13 0.24760 411299.21
3774293.13 0.22510
410264.21 3774338.13 0.45816 410309.21
3774338.13 0.55324
410354.21 3774338.13 0.67988 410399.21
3774338.13 0.85146
410444.21 3774338.13 1.08554 410489.21
3774338.13 1.39814
410534.21 3774338.13 1.77164 410579.21
3774338.13 2.05981
410624.21 3774338.13 2.02093 410669.21
3774338.13 1.74019
410714.21 3774338.13 1.45204 410759.21
3774338.13 1.21860
410804.21 3774338.13 1.03006 410849.21
3774338.13 0.87841
410894.21 3774338.13 0.75444 410939.21
3774338.13 0.65129
410984.21 3774338.13 0.56695 411029.21
3774338.13 0.49435
411074.21 3774338.13 0.43387 411119.21
3774338.13 0.38300
411164.21 3774338.13 0.33997 411209.21
3774338.13 0.30373
411254.21 3774338.13 0.27263 411299.21
3774338.13 0.24628
410264.21 3774383.13 0.50153 410309.21
3774383.13 0.61822
410354.21 3774383.13 0.78197 410399.21
3774383.13 1.02127
410444.21 3774383.13 1.38818 410489.21
3774383.13 1.98435
410534.21 3774383.13 3.00753 410579.21
3774383.13 4.37178
410624.21 3774383.13 4.00404 410669.21
3774383.13 2.83657
410714.21 3774383.13 2.11970 410759.21
3774383.13 1.67022
410804.21 3774383.13 1.35506 410849.21
3774383.13 1.11705
410894.21 3774383.13 0.93520 410939.21
3774383.13 0.78896
410984.21 3774383.13 0.67400 411029.21
3774383.13 0.57648
411074.21 3774383.13 0.49909 411119.21
3774383.13 0.43537
411164.21 3774383.13 0.38217 411209.21
3774383.13 0.33808
411254.21 3774383.13 0.30134 411299.21

3774383.13   0.27036
         410264.21   3774428.13   0.54160   410309.21
3774428.13   0.67961
         410354.21   3774428.13   0.88194   410399.21
3774428.13   1.19707
         410444.21   3774428.13   1.73101   410489.21
3774428.13   2.77132
         410534.21   3774428.13   5.49327   410579.21
3774428.13   22.15211
         410264.21   3774473.13   0.57410   410309.21
3774473.13   0.73006
         410354.21   3774473.13   0.96562   410399.21
3774473.13   1.34823
         410444.21   3774473.13   2.03771   410489.21
3774473.13   3.51104
         410534.21   3774473.13   7.95070   410579.21
3774473.13   41.77849
         410264.21   3774518.13   0.59574   410309.21
3774518.13   0.76309
         410354.21   3774518.13   1.01904   410399.21
3774518.13   1.44203
         410444.21   3774518.13   2.22019   410489.21
3774518.13   3.91572
         410534.21   3774518.13   8.91195   410579.21
3774518.13   41.60466

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: STEWARTR ***
                                 INCLUDING SOURCE(S):   L0000049   , L0000050
 , L0000051   , L0000052   , L0000053   ,
                  L0000054   , L0000055   , L0000056   , L0000057   , L0000058
 , L0000059   , L0000060   , L0000061   ,
                  L0000062   , L0000063   , L0000064   , L0000065   , L0000066
 , L0000067   , L0000068   , L0000069   ,
                  L0000070   , L0000071   , L0000072   , L0000073   , L0000074
 , L0000075   , L0000076   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	0.60377	410309.21	3774563.13	0.77360
410354.21	3774563.13	1.03252	410399.21	3774563.13	1.45763
410444.21	3774563.13	2.23157	410489.21	3774563.13	3.88793
410534.21	3774563.13	8.69977	410579.21	3774563.13	39.66616
410264.21	3774608.13	0.59755	410309.21	3774608.13	0.76085
410354.21	3774608.13	1.00529	410399.21	3774608.13	1.39531
410444.21	3774608.13	2.07429	410489.21	3774608.13	3.43457
410534.21	3774608.13	6.93457	410579.21	3774608.13	24.30231
410624.21	3774608.13	32.87519	410759.21	3774608.13	11.92847
410804.21	3774608.13	6.99927	410354.21	3774653.13	0.94488
410399.21	3774653.13	1.27618	410444.21	3774653.13	1.81438
410489.21	3774653.13	2.76437	410534.21	3774653.13	4.63642
410579.21	3774653.13	8.52678	410624.21	3774653.13	14.57633
410669.21	3774653.13	23.81864	410714.21	3774653.13	33.64831
410759.21	3774653.13	28.21904	410804.21	3774653.13	11.99666
410354.21	3774698.13	0.86378	410399.21	3774698.13	1.12879
410444.21	3774698.13	1.52570	410489.21	3774698.13	2.14108
410534.21	3774698.13	3.10764	410579.21	3774698.13	4.55636
410624.21	3774698.13	6.56437	410669.21	3774698.13	9.92003
410714.21	3774698.13	19.48338	410759.21	3774698.13	30.26629
410804.21	3774698.13	27.90742	410444.21	3774743.13	1.26403
410489.21	3774743.13	1.66311	410534.21	3774743.13	2.21531
410579.21	3774743.13	2.95601	410624.21	3774743.13	3.95575

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         410669.21    3774743.13        5.51208                      410714.21
3774743.13        8.62830
         410759.21    3774743.13       17.63541                      410804.21
3774743.13       27.77536
         410444.21    3774788.13        1.04577                      410489.21
3774788.13        1.31204
         410534.21    3774788.13        1.65436                      410579.21
3774788.13        2.08894
         410624.21    3774788.13        2.65142                      410669.21
3774788.13        3.44230
         410714.21    3774788.13        4.70872                      410759.21
3774788.13        7.08740
         410804.21    3774788.13       12.49173                      410489.21
3774833.13        1.05078
         410534.21    3774833.13        1.27321                      410579.21
3774833.13        1.54352
         410624.21    3774833.13        1.87330                      410669.21
3774833.13        2.28936
         410714.21    3774833.13        2.83206                      410759.21
3774833.13        3.52659
         410489.21    3774878.13        0.85434                      410534.21
3774878.13        1.00150
         410579.21    3774878.13        1.17352                      410624.21
3774878.13        1.37081
         410669.21    3774878.13        1.59524                      410714.21
3774878.13        1.82511
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                   PAGE 171
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                   INCLUDING SOURCE(S):     L0000130    , L0000131
 , L0000132    , L0000133    , L0000134    ,
                L0000141    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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         410264.21    3774023.13        0.22374                    410309.21
3774023.13        0.24290
         410354.21    3774023.13        0.26299                    410399.21
3774023.13        0.28337
         410444.21    3774023.13        0.30319                    410489.21
3774023.13        0.32130
         410534.21    3774023.13        0.33667                    410579.21
3774023.13        0.34820
         410624.21    3774023.13        0.35510                    410669.21
3774023.13        0.35706
         410714.21    3774023.13        0.35408                    410759.21
3774023.13        0.34670
         410804.21    3774023.13        0.33556                    410849.21
3774023.13        0.32159
         410894.21    3774023.13        0.30555                    410939.21
3774023.13        0.28825
         410984.21    3774023.13        0.27040                    411029.21
3774023.13        0.25259
         411074.21    3774023.13        0.23529                    411119.21
3774023.13        0.21879
         411164.21    3774023.13        0.20329                    411209.21
3774023.13        0.18888
         411254.21    3774023.13        0.17559                    411299.21
3774023.13        0.16336
         410264.21    3774068.13        0.24470                    410309.21
3774068.13        0.26830
         410354.21    3774068.13        0.29361                    410399.21
3774068.13        0.31999
         410444.21    3774068.13        0.34641                    410489.21
3774068.13        0.37143
         410534.21    3774068.13        0.39325                    410579.21
3774068.13        0.41028
         410624.21    3774068.13        0.42097                    410669.21
3774068.13        0.42463
         410714.21    3774068.13        0.42110                    410759.21
3774068.13        0.41114
         410804.21    3774068.13        0.39585                    410849.21
3774068.13        0.37667
         410894.21    3774068.13        0.35485                    410939.21
3774068.13        0.33165
         410984.21    3774068.13        0.30812                    411029.21
3774068.13        0.28509
         411074.21    3774068.13        0.26312                    411119.21
3774068.13        0.24257
         411164.21    3774068.13        0.22359                    411209.21
3774068.13        0.20626
         411254.21    3774068.13        0.19043                    411299.21
3774068.13        0.17598
         410264.21    3774113.13        0.26800                    410309.21
3774113.13        0.29702
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         410354.21    3774113.13        0.32891                      410399.21
3774113.13        0.36335
         410444.21    3774113.13        0.39882                      410489.21
3774113.13        0.43378
         410534.21    3774113.13        0.46549                      410579.21
3774113.13        0.49107
         410624.21    3774113.13        0.50795                      410669.21
3774113.13        0.51458
         410714.21    3774113.13        0.51046                      410759.21
3774113.13        0.49657
         410804.21    3774113.13        0.47490                      410849.21
3774113.13        0.44774
         410894.21    3774113.13        0.41726                      410939.21
3774113.13        0.38550
         410984.21    3774113.13        0.35399                      411029.21
3774113.13        0.32385
         411074.21    3774113.13        0.29574                      411119.21
3774113.13        0.26999
         411164.21    3774113.13        0.24672                      411209.21
3774113.13        0.22585
         411254.21    3774113.13        0.20683                      411299.21
3774113.13        0.19008
         410264.21    3774158.13        0.29351                      410309.21
3774158.13        0.32928
         410354.21    3774158.13        0.36968                      410399.21
3774158.13        0.41455
         410444.21    3774158.13        0.46282                      410489.21
3774158.13        0.51213
         410534.21    3774158.13        0.55894                      410579.21
3774158.13        0.59852
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 172
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                  INCLUDING SOURCE(S):     L0000130    , L0000131
 , L0000132    , L0000133    , L0000134    ,
                L0000141    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410624.21	3774158.13	0.62617	410669.21	3774158.13	0.63821
410714.21	3774158.13	0.63346	410759.21	3774158.13	0.61340
410804.21	3774158.13	0.58132	410849.21	3774158.13	0.54145
410894.21	3774158.13	0.49763	410939.21	3774158.13	0.45311
410984.21	3774158.13	0.41019	411029.21	3774158.13	0.37029
411074.21	3774158.13	0.33408	411119.21	3774158.13	0.30176
411164.21	3774158.13	0.27307	411209.21	3774158.13	0.24790
411254.21	3774158.13	0.22531	411299.21	3774158.13	0.20585
410264.21	3774203.13	0.32113	410309.21	3774203.13	0.36506
410354.21	3774203.13	0.41621	410399.21	3774203.13	0.47505
410444.21	3774203.13	0.54094	410489.21	3774203.13	0.61154
410534.21	3774203.13	0.68211	410579.21	3774203.13	0.74513
410624.21	3774203.13	0.79174	410669.21	3774203.13	0.81436
410714.21	3774203.13	0.80939	410759.21	3774203.13	0.77883
410804.21	3774203.13	0.72904	410849.21	3774203.13	0.66801
410894.21	3774203.13	0.60287	410939.21	3774203.13	0.53895
410984.21	3774203.13	0.47956	411029.21	3774203.13	0.42624
411074.21	3774203.13	0.37943	411119.21	3774203.13	0.33868
411164.21	3774203.13	0.30321	411209.21	3774203.13	0.27275
411254.21	3774203.13	0.24608	411299.21	3774203.13	0.22366
410264.21	3774248.13	0.35087	410309.21	3774248.13	0.40426
410354.21	3774248.13	0.46872	410399.21	3774248.13	0.54579
410444.21	3774248.13	0.63619	410489.21	3774248.13	0.73845

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         410534.21    3774248.13        0.84708                      410579.21
3774248.13        0.95089
         410624.21    3774248.13        1.03346                      410669.21
3774248.13        1.07758
         410714.21    3774248.13        1.07346                      410759.21
3774248.13        1.02373
         410804.21    3774248.13        0.94163                      410849.21
3774248.13        0.84347
         410894.21    3774248.13        0.74310                      410939.21
3774248.13        0.64920
         410984.21    3774248.13        0.56590                      411029.21
3774248.13        0.49426
         411074.21    3774248.13        0.43325                      411119.21
3774248.13        0.38140
         411164.21    3774248.13        0.33763                      411209.21
3774248.13        0.30167
         411254.21    3774248.13        0.27026                      411299.21
3774248.13        0.24407
         410264.21    3774293.13        0.38192                      410309.21
3774293.13        0.44638
         410354.21    3774293.13        0.52682                      410399.21
3774293.13        0.62718
         410444.21    3774293.13        0.75120                      410489.21
3774293.13        0.90061
         410534.21    3774293.13        1.07140                      410579.21
3774293.13        1.24884
         410624.21    3774293.13        1.40309                      410669.21
3774293.13        1.49474
         410714.21    3774293.13        1.49555                      410759.21
3774293.13        1.40713
         410804.21    3774293.13        1.26064                      410849.21
3774293.13        1.09349
         410894.21    3774293.13        0.93304                      410939.21
3774293.13        0.79236
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 173
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                  INCLUDING SOURCE(S):     L0000130    , L0000131
 , L0000132    , L0000133    , L0000134    ,
                 L0000141    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410984.21	3774293.13	0.67463	411029.21	3774293.13	0.57694
411074.21	3774293.13	0.49741	411119.21	3774293.13	0.43247
411164.21	3774293.13	0.37891	411209.21	3774293.13	0.33555
411254.21	3774293.13	0.29856	411299.21	3774293.13	0.26784
410264.21	3774338.13	0.41323	410309.21	3774338.13	0.49011
410354.21	3774338.13	0.58916	410399.21	3774338.13	0.71821
410444.21	3774338.13	0.88691	410489.21	3774338.13	1.10528
410534.21	3774338.13	1.37836	410579.21	3774338.13	1.69432
410624.21	3774338.13	2.00366	410669.21	3774338.13	2.21295
410714.21	3774338.13	2.23144	410759.21	3774338.13	2.05311
410804.21	3774338.13	1.76338	410849.21	3774338.13	1.45684
410894.21	3774338.13	1.19037	410939.21	3774338.13	0.97508
410984.21	3774338.13	0.81255	411029.21	3774338.13	0.67927
411074.21	3774338.13	0.57639	411119.21	3774338.13	0.49483
411164.21	3774338.13	0.42924	411209.21	3774338.13	0.37625
411254.21	3774338.13	0.33224	411299.21	3774338.13	0.29595
410264.21	3774383.13	0.44326	410309.21	3774383.13	0.53310
410354.21	3774383.13	0.65267	410399.21	3774383.13	0.81523
410444.21	3774383.13	1.04038	410489.21	3774383.13	1.35556
410534.21	3774383.13	1.79461	410579.21	3774383.13	2.37842
410624.21	3774383.13	3.05401	410669.21	3774383.13	3.60113

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         410714.21    3774383.13        3.68855                      410759.21
3774383.13        3.25369
         410804.21    3774383.13        2.60385                      410849.21
3774383.13        2.00186
         410894.21    3774383.13        1.55638                      410939.21
3774383.13        1.22644
         410984.21    3774383.13        0.99489                      411029.21
3774383.13        0.80993
         411074.21    3774383.13        0.67619                      411119.21
3774383.13        0.57260
         411164.21    3774383.13        0.49035                      411209.21
3774383.13        0.42495
         411254.21    3774383.13        0.37217                      411299.21
3774383.13        0.32887
         410264.21    3774428.13        0.47009                      410309.21
3774428.13        0.57237
         410354.21    3774428.13        0.71251                      410399.21
3774428.13        0.91066
         410444.21    3774428.13        1.20063                      410489.21
3774428.13        1.64093
         410534.21    3774428.13        2.33232                      410579.21
3774428.13        3.42674
         410264.21    3774473.13        0.49108                      410309.21
3774473.13        0.60382
         410354.21    3774473.13        0.76189                      410399.21
3774473.13        0.99253
         410444.21    3774473.13        1.34601                      410489.21
3774473.13        1.92280
         410534.21    3774473.13        2.93933                      410579.21
3774473.13        4.89582
         410264.21    3774518.13        0.50427                      410309.21
3774518.13        0.62379
         410354.21    3774518.13        0.79366                      410399.21
3774518.13        1.04646
         410444.21    3774518.13        1.44520                      410489.21
3774518.13        2.12826
         410534.21    3774518.13        3.43309                      410579.21
3774518.13        6.37770
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 174
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE     ***
                                  INCLUDING SOURCE(S):     L0000130    , L0000131
 , L0000132    , L0000133    , L0000134    ,
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L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	0.50788	410309.21	3774563.13	0.62907
410354.21	3774563.13	0.80180	410399.21	3774563.13	1.05992
410444.21	3774563.13	1.46966	410489.21	3774563.13	2.17761
410534.21	3774563.13	3.55473	410579.21	3774563.13	6.77336
410264.21	3774608.13	0.50139	410309.21	3774608.13	0.61876
410354.21	3774608.13	0.78449	410399.21	3774608.13	1.02882
410444.21	3774608.13	1.40893	410489.21	3774608.13	2.04491
410534.21	3774608.13	3.21017	410579.21	3774608.13	5.65723
410624.21	3774608.13	11.77057	410759.21	3774608.13	22.76501
410804.21	3774608.13	12.26609	410354.21	3774653.13	0.74458
410399.21	3774653.13	0.96022	410444.21	3774653.13	1.28194
410489.21	3774653.13	1.78577	410534.21	3774653.13	2.61904
410579.21	3774653.13	4.05970	410624.21	3774653.13	6.54569
410669.21	3774653.13	9.95119	410714.21	3774653.13	11.51735
410759.21	3774653.13	9.86322	410804.21	3774653.13	7.42165
410354.21	3774698.13	0.68850	410399.21	3774698.13	0.86750
410444.21	3774698.13	1.12035	410489.21	3774698.13	1.48570
410534.21	3774698.13	2.02060	410579.21	3774698.13	2.79080
410624.21	3774698.13	3.79824	410669.21	3774698.13	4.78373

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         410714.21    3774698.13        5.18878                      410759.21
3774698.13        4.88751
         410804.21    3774698.13        4.29366                      410444.21
3774743.13        0.95501
         410489.21    3774743.13        1.20706                      410534.21
3774743.13        1.53755
         410579.21    3774743.13        1.94922                      410624.21
3774743.13        2.40233
         410669.21    3774743.13        2.78130                      410714.21
3774743.13        2.94560
         410759.21    3774743.13        2.87103                      410804.21
3774743.13        2.65095
         410444.21    3774788.13        0.80439                      410489.21
3774788.13        0.97506
         410534.21    3774788.13        1.17981                      410579.21
3774788.13        1.40959
         410624.21    3774788.13        1.63690                      410669.21
3774788.13        1.81377
         410714.21    3774788.13        1.89402                      410759.21
3774788.13        1.86690
         410804.21    3774788.13        1.75866                      410489.21
3774833.13        0.79086
         410534.21    3774833.13        0.92012                      410579.21
3774833.13        1.05614
         410624.21    3774833.13        1.18208                      410669.21
3774833.13        1.27601
         410714.21    3774833.13        1.31687                      410759.21
3774833.13        1.29867
         410489.21    3774878.13        0.64905                      410534.21
3774878.13        0.73122
         410579.21    3774878.13        0.81493                      410624.21
3774878.13        0.89000
         410669.21    3774878.13        0.94630                      410714.21
3774878.13        0.96095
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 175
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000119    , L0000120
 , L0000121    , L0000122    , L0000123    ,
                 L0000124    , L0000125    , L0000126    , L0000127    , L0000128
 , L0000129    , L0000139    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774023.13	0.21058	410309.21	3774023.13	0.22798
410354.21	3774023.13	0.24623	410399.21	3774023.13	0.26480
410444.21	3774023.13	0.28297	410489.21	3774023.13	0.29973
410534.21	3774023.13	0.31423	410579.21	3774023.13	0.32550
410624.21	3774023.13	0.33278	410669.21	3774023.13	0.33574
410714.21	3774023.13	0.33426	410759.21	3774023.13	0.32876
410804.21	3774023.13	0.31972	410849.21	3774023.13	0.30793
410894.21	3774023.13	0.29404	410939.21	3774023.13	0.27874
410984.21	3774023.13	0.26270	411029.21	3774023.13	0.24645
411074.21	3774023.13	0.23045	411119.21	3774023.13	0.21503
411164.21	3774023.13	0.20040	411209.21	3774023.13	0.18668
411254.21	3774023.13	0.17395	411299.21	3774023.13	0.16220
410264.21	3774068.13	0.22951	410309.21	3774068.13	0.25080
410354.21	3774068.13	0.27359	410399.21	3774068.13	0.29737
410444.21	3774068.13	0.32128	410489.21	3774068.13	0.34414
410534.21	3774068.13	0.36442	410579.21	3774068.13	0.38077
410624.21	3774068.13	0.39178	410669.21	3774068.13	0.39674
410714.21	3774068.13	0.39533	410759.21	3774068.13	0.38808
410804.21	3774068.13	0.37581	410849.21	3774068.13	0.35976
410894.21	3774068.13	0.34094	410939.21	3774068.13	0.32047
410984.21	3774068.13	0.29932	411029.21		

3774068.13   0.27827
         411074.21   3774068.13   0.25792   411119.21
3774068.13   0.23864
         411164.21   3774068.13   0.22067   411209.21
3774068.13   0.20409
         411254.21   3774068.13   0.18893   411299.21
3774068.13   0.17504
         410264.21   3774113.13   0.25051   410309.21
3774113.13   0.27647
         410354.21   3774113.13   0.30491   410399.21
3774113.13   0.33562
         410444.21   3774113.13   0.36730   410489.21
3774113.13   0.39877
         410534.21   3774113.13   0.42775   410579.21
3774113.13   0.45184
         410624.21   3774113.13   0.46879   410669.21
3774113.13   0.47710
         410714.21   3774113.13   0.47606   410759.21
3774113.13   0.46621
         410804.21   3774113.13   0.44907   410849.21
3774113.13   0.42651
         410894.21   3774113.13   0.40033   410939.21
3774113.13   0.37234
         410984.21   3774113.13   0.34399   411029.21
3774113.13   0.31637
         411074.21   3774113.13   0.29023   411119.21
3774113.13   0.26598
         411164.21   3774113.13   0.24381   411209.21
3774113.13   0.22375
         411254.21   3774113.13   0.20559   411299.21
3774113.13   0.18931
         410264.21   3774158.13   0.27340   410309.21
3774158.13   0.30517
         410354.21   3774158.13   0.34088   410399.21
3774158.13   0.38040
         410444.21   3774158.13   0.42292   410489.21
3774158.13   0.46655
         410534.21   3774158.13   0.50853   410579.21
3774158.13   0.54498

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000119   , L0000120

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 , L0000121    , L0000122    , L0000123    ,
                 L0000124    , L0000125    , L0000126    , L0000127    , L0000128
 , L0000129    , L0000139    ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410624.21    3774158.13        0.57200                      410669.21
3774158.13        0.58619
         410714.21    3774158.13        0.58607                      410759.21
3774158.13        0.57233
         410804.21    3774158.13        0.54731                      410849.21
3774158.13        0.51442
         410894.21    3774158.13        0.47691                      410939.21
3774158.13        0.43767
         410984.21    3774158.13        0.39896                      411029.21
3774158.13        0.36225
         411074.21    3774158.13        0.32839                      411119.21
3774158.13        0.29775
         411164.21    3774158.13        0.27036                      411209.21
3774158.13        0.24606
         411254.21    3774158.13        0.22431                      411299.21
3774158.13        0.20521
         410264.21    3774203.13        0.29812                      410309.21
3774203.13        0.33688
         410354.21    3774203.13        0.38166                      410399.21
3774203.13        0.43287
         410444.21    3774203.13        0.49002                      410489.21
3774203.13        0.55134
         410534.21    3774203.13        0.61324                      410579.21
3774203.13        0.66984
         410624.21    3774203.13        0.71403                      410669.21
3774203.13        0.73924
         410714.21    3774203.13        0.74157                      410759.21
3774203.13        0.72143
         410804.21    3774203.13        0.68318                      410849.21
3774203.13        0.63320
         410894.21    3774203.13        0.57750                      410939.21
3774203.13        0.52104
         410984.21    3774203.13        0.46718                      411029.21
3774203.13        0.41779
         411074.21    3774203.13        0.37367                      411119.21
3774203.13        0.33485
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         411164.21    3774203.13        0.30087                     411209.21
3774203.13        0.27132
         411254.21    3774203.13        0.24520                     411299.21
3774203.13        0.22304
         410264.21    3774248.13        0.32475                     410309.21
3774248.13        0.37153
         410354.21    3774248.13        0.42745                     410399.21
3774248.13        0.49371
         410444.21    3774248.13        0.57086                     410489.21
3774248.13        0.65788
         410534.21    3774248.13        0.75078                     410579.21
3774248.13        0.84132
         410624.21    3774248.13        0.91699                     410669.21
3774248.13        0.96365
         410714.21    3774248.13        0.97160                     410759.21
3774248.13        0.94029
         410804.21    3774248.13        0.87818                     410849.21
3774248.13        0.79821
         410894.21    3774248.13        0.71225                     410939.21
3774248.13        0.62881
         410984.21    3774248.13        0.55261                     411029.21
3774248.13        0.48557
         411074.21    3774248.13        0.42783                     411119.21
3774248.13        0.37825
         411164.21    3774248.13        0.33581                     411209.21
3774248.13        0.30045
         411254.21    3774248.13        0.26935                     411299.21
3774248.13        0.24340
         410264.21    3774293.13        0.35262                     410309.21
3774293.13        0.40877
         410354.21    3774293.13        0.47797                     410399.21
3774293.13        0.56325
         410444.21    3774293.13        0.66738                     410489.21
3774293.13        0.79172
         410534.21    3774293.13        0.93361                     410579.21
3774293.13        1.08301
         410624.21    3774293.13        1.21868                     410669.21
3774293.13        1.31056
         410714.21    3774293.13        1.33274                     410759.21
3774293.13        1.27989
         410804.21    3774293.13        1.17078                     410849.21
3774293.13        1.03470
         410894.21    3774293.13        0.89632                     410939.21
3774293.13        0.76983
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000119 , L0000120 , L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 , L0000139 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410984.21	3774293.13	0.66069	411029.21	3774293.13	0.56901
411074.21	3774293.13	0.49282	411119.21	3774293.13	0.42976
411164.21	3774293.13	0.37703	411209.21	3774293.13	0.33420
411254.21	3774293.13	0.29753	411299.21	3774293.13	0.26706
410264.21	3774338.13	0.38091	410309.21	3774338.13	0.44760
410354.21	3774338.13	0.53224	410399.21	3774338.13	0.64075
410444.21	3774338.13	0.78017	410489.21	3774338.13	0.95773
410534.21	3774338.13	1.17736	410579.21	3774338.13	1.43222
410624.21	3774338.13	1.69052	410669.21	3774338.13	1.88742
410714.21	3774338.13	1.94834	410759.21	3774338.13	1.84743
410804.21	3774338.13	1.63378	410849.21	3774338.13	1.38498
410894.21	3774338.13	1.15183	410939.21	3774338.13	0.95492
410984.21	3774338.13	0.79945	411029.21	3774338.13	0.67248
411074.21	3774338.13	0.57224	411119.21	3774338.13	0.49192
411164.21	3774338.13	0.42709	411209.21	3774338.13	0.37464
411254.21	3774338.13	0.33101	411299.21		

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3774338.13        0.29501
         410264.21    3774383.13        0.40838                    410309.21
3774383.13        0.48619
         410354.21    3774383.13        0.58797                    410399.21
3774383.13        0.72362
         410444.21    3774383.13        0.90723                    410489.21
3774383.13        1.15787
         410534.21    3774383.13        1.49858                    410579.21
3774383.13        1.94550
         410624.21    3774383.13        2.47277                    410669.21
3774383.13        2.94884
         410714.21    3774383.13        3.13307                    410759.21
3774383.13        2.89926
         410804.21    3774383.13        2.41781                    410849.21
3774383.13        1.91994
         410894.21    3774383.13        1.51677                    410939.21
3774383.13        1.20716
         410984.21    3774383.13        0.98187                    411029.21
3774383.13        0.80292
         411074.21    3774383.13        0.67141                    411119.21
3774383.13        0.56918
         411164.21    3774383.13        0.48779                    411209.21
3774383.13        0.42303
         411254.21    3774383.13        0.37074                    411299.21
3774383.13        0.32778
         410264.21    3774428.13        0.43357                    410309.21
3774428.13        0.52227
         410354.21    3774428.13        0.64159                    410399.21
3774428.13        0.80646
         410444.21    3774428.13        1.04106                    410489.21
3774428.13        1.38507
         410534.21    3774428.13        1.90345                    410579.21
3774428.13        2.69239
         410264.21    3774473.13        0.45422                    410309.21
3774473.13        0.55255
         410354.21    3774473.13        0.68786                    410399.21
3774473.13        0.88062
         410444.21    3774473.13        1.16702                    410489.21
3774473.13        1.61477
         410534.21    3774473.13        2.36032                    410579.21
3774473.13        3.69235
         410264.21    3774518.13        0.46873                    410309.21
3774518.13        0.57413
         410354.21    3774518.13        0.72129                    410399.21
3774518.13        0.93547
         410444.21    3774518.13        1.26343                    410489.21
3774518.13        1.80104
         410534.21    3774518.13        2.76615                    410579.21
3774518.13        4.73407
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

 *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
 INCLUDING SOURCE(S): L0000119 , L0000120 , L0000121 , L0000122 , L0000123 ,
 L0000124 , L0000125 , L0000126 , L0000127 , L0000128 , L0000129 , L0000139 ,

 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

 ** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	0.47534	410309.21	3774563.13	0.58385
410354.21	3774563.13	0.73640	410399.21	3774563.13	0.96033
410444.21	3774563.13	1.30761	410489.21	3774563.13	1.88788
410534.21	3774563.13	2.96347	410579.21	3774563.13	5.28142
410264.21	3774608.13	0.47326	410309.21	3774608.13	0.58043
410354.21	3774608.13	0.73051	410399.21	3774608.13	0.94956
410444.21	3774608.13	1.28634	410489.21	3774608.13	1.84198
410534.21	3774608.13	2.84955	410579.21	3774608.13	4.94000
410624.21	3774608.13	10.34232	410759.21	3774608.13	46.35594
410804.21	3774608.13	17.15509	410354.21	3774653.13	0.70435
410399.21	3774653.13	0.90509	410444.21	3774653.13	1.20529
410489.21	3774653.13	1.67950	410534.21	3774653.13	2.48311
410579.21	3774653.13	3.96511	410624.21	3774653.13	7.01351

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         410669.21    3774653.13       13.97676                      410714.21
3774653.13       23.42795
         410759.21    3774653.13       17.64175                      410804.21
3774653.13       10.89227
         410354.21    3774698.13        0.66187                      410399.21
3774698.13        0.83512
         410444.21    3774698.13        1.08339                      410489.21
3774698.13        1.45165
         410534.21    3774698.13        2.01808                      410579.21
3774698.13        2.91398
         410624.21    3774698.13        4.31933                      410669.21
3774698.13        6.23708
         410714.21    3774698.13        7.62144                      410759.21
3774698.13        7.25866
         410804.21    3774698.13        6.02445                      410444.21
3774743.13        0.94523
         410489.21    3774743.13        1.21319                      410534.21
3774743.13        1.58541
         410579.21    3774743.13        2.09387                      410624.21
3774743.13        2.73993
         410669.21    3774743.13        3.40910                      410714.21
3774743.13        3.81627
         410759.21    3774743.13        3.79229                      410804.21
3774743.13        3.46612
         410444.21    3774788.13        0.81004                      410489.21
3774788.13        0.99817
         410534.21    3774788.13        1.23669                      410579.21
3774788.13        1.52638
         410624.21    3774788.13        1.84600                      410669.21
3774788.13        2.13420
         410714.21    3774788.13        2.30204                      410759.21
3774788.13        2.30797
         410804.21    3774788.13        2.17460                      410489.21
3774833.13        0.81906
         410534.21    3774833.13        0.97247                      410579.21
3774833.13        1.14347
         410624.21    3774833.13        1.31552                      410669.21
3774833.13        1.45972
         410714.21    3774833.13        1.54223                      410759.21
3774833.13        1.54087
         410489.21    3774878.13        0.67570                      410534.21
3774878.13        0.77554
         410579.21    3774878.13        0.88081                      410624.21
3774878.13        0.98102
         410669.21    3774878.13        1.06199                      410714.21
3774878.13        1.09658
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View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***       15:36:09
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GENS ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774023.13	0.00057	410309.21	3774023.13	0.00061
410354.21	3774023.13	0.00065	410399.21	3774023.13	0.00069
410444.21	3774023.13	0.00074	410489.21	3774023.13	0.00080
410534.21	3774023.13	0.00087	410579.21	3774023.13	0.00095
410624.21	3774023.13	0.00103	410669.21	3774023.13	0.00110
410714.21	3774023.13	0.00112	410759.21	3774023.13	0.00110
410804.21	3774023.13	0.00105	410849.21	3774023.13	0.00099
410894.21	3774023.13	0.00092	410939.21	3774023.13	0.00086
410984.21	3774023.13	0.00083	411029.21	3774023.13	0.00080
411074.21	3774023.13	0.00079	411119.21	3774023.13	0.00077
411164.21	3774023.13	0.00074	411209.21	3774023.13	0.00071
411254.21	3774023.13	0.00067	411299.21	3774023.13	0.00063
410264.21	3774068.13	0.00065	410309.21	3774068.13	0.00068
410354.21	3774068.13	0.00072	410399.21	3774068.13	0.00077
410444.21	3774068.13	0.00083	410489.21	3774068.13	0.00091
410534.21	3774068.13	0.00099	410579.21	3774068.13	0.00110

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         410624.21    3774068.13        0.00120                    410669.21
3774068.13        0.00130
         410714.21    3774068.13        0.00131                    410759.21
3774068.13        0.00129
         410804.21    3774068.13        0.00122                    410849.21
3774068.13        0.00114
         410894.21    3774068.13        0.00106                    410939.21
3774068.13        0.00100
         410984.21    3774068.13        0.00097                    411029.21
3774068.13        0.00095
         411074.21    3774068.13        0.00093                    411119.21
3774068.13        0.00089
         411164.21    3774068.13        0.00086                    411209.21
3774068.13        0.00081
         411254.21    3774068.13        0.00077                    411299.21
3774068.13        0.00072
         410264.21    3774113.13        0.00073                    410309.21
3774113.13        0.00078
         410354.21    3774113.13        0.00082                    410399.21
3774113.13        0.00088
         410444.21    3774113.13        0.00094                    410489.21
3774113.13        0.00103
         410534.21    3774113.13        0.00115                    410579.21
3774113.13        0.00128
         410624.21    3774113.13        0.00142                    410669.21
3774113.13        0.00152
         410714.21    3774113.13        0.00154                    410759.21
3774113.13        0.00151
         410804.21    3774113.13        0.00142                    410849.21
3774113.13        0.00132
         410894.21    3774113.13        0.00124                    410939.21
3774113.13        0.00118
         410984.21    3774113.13        0.00116                    411029.21
3774113.13        0.00113
         411074.21    3774113.13        0.00110                    411119.21
3774113.13        0.00105
         411164.21    3774113.13        0.00100                    411209.21
3774113.13        0.00094
         411254.21    3774113.13        0.00088                    411299.21
3774113.13        0.00082
         410264.21    3774158.13        0.00084                    410309.21
3774158.13        0.00090
         410354.21    3774158.13        0.00095                    410399.21
3774158.13        0.00101
         410444.21    3774158.13        0.00108                    410489.21
3774158.13        0.00118
         410534.21    3774158.13        0.00132                    410579.21
3774158.13        0.00149
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GENS ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410624.21	3774158.13	0.00167	410669.21	3774158.13	0.00180
410714.21	3774158.13	0.00182	410759.21	3774158.13	0.00178
410804.21	3774158.13	0.00165	410849.21	3774158.13	0.00155
410894.21	3774158.13	0.00146	410939.21	3774158.13	0.00142
410984.21	3774158.13	0.00139	411029.21	3774158.13	0.00136
411074.21	3774158.13	0.00131	411119.21	3774158.13	0.00124
411164.21	3774158.13	0.00117	411209.21	3774158.13	0.00109
411254.21	3774158.13	0.00101	411299.21	3774158.13	0.00093
410264.21	3774203.13	0.00095	410309.21	3774203.13	0.00103
410354.21	3774203.13	0.00110	410399.21	3774203.13	0.00117
410444.21	3774203.13	0.00125	410489.21	3774203.13	0.00136
410534.21	3774203.13	0.00153	410579.21	3774203.13	0.00173
410624.21	3774203.13	0.00195	410669.21	3774203.13	0.00212
410714.21	3774203.13	0.00217	410759.21	3774203.13	0.00211
410804.21	3774203.13	0.00195	410849.21	3774203.13	0.00183

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         410894.21    3774203.13        0.00176                    410939.21
3774203.13        0.00172
         410984.21    3774203.13        0.00169                    411029.21
3774203.13        0.00164
         411074.21    3774203.13        0.00157                    411119.21
3774203.13        0.00147
         411164.21    3774203.13        0.00138                    411209.21
3774203.13        0.00128
         411254.21    3774203.13        0.00117                    411299.21
3774203.13        0.00109
         410264.21    3774248.13        0.00110                    410309.21
3774248.13        0.00121
         410354.21    3774248.13        0.00128                    410399.21
3774248.13        0.00137
         410444.21    3774248.13        0.00147                    410489.21
3774248.13        0.00159
         410534.21    3774248.13        0.00177                    410579.21
3774248.13        0.00202
         410624.21    3774248.13        0.00231                    410669.21
3774248.13        0.00254
         410714.21    3774248.13        0.00260                    410759.21
3774248.13        0.00250
         410804.21    3774248.13        0.00233                    410849.21
3774248.13        0.00220
         410894.21    3774248.13        0.00214                    410939.21
3774248.13        0.00211
         410984.21    3774248.13        0.00207                    411029.21
3774248.13        0.00199
         411074.21    3774248.13        0.00188                    411119.21
3774248.13        0.00175
         411164.21    3774248.13        0.00162                    411209.21
3774248.13        0.00150
         411254.21    3774248.13        0.00138                    411299.21
3774248.13        0.00127
         410264.21    3774293.13        0.00124                    410309.21
3774293.13        0.00138
         410354.21    3774293.13        0.00152                    410399.21
3774293.13        0.00165
         410444.21    3774293.13        0.00173                    410489.21
3774293.13        0.00188
         410534.21    3774293.13        0.00208                    410579.21
3774293.13        0.00237
         410624.21    3774293.13        0.00273                    410669.21
3774293.13        0.00306
         410714.21    3774293.13        0.00313                    410759.21
3774293.13        0.00302
         410804.21    3774293.13        0.00282                    410849.21
3774293.13        0.00270
         410894.21    3774293.13        0.00265                    410939.21
3774293.13        0.00262
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GENS ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410984.21	3774293.13	0.00254	411029.21	3774293.13	0.00242
411074.21	3774293.13	0.00226	411119.21	3774293.13	0.00208
411164.21	3774293.13	0.00192	411209.21	3774293.13	0.00178
411254.21	3774293.13	0.00164	411299.21	3774293.13	0.00151
410264.21	3774338.13	0.00137	410309.21	3774338.13	0.00156
410354.21	3774338.13	0.00175	410399.21	3774338.13	0.00194
410444.21	3774338.13	0.00212	410489.21	3774338.13	0.00230
410534.21	3774338.13	0.00246	410579.21	3774338.13	0.00281
410624.21	3774338.13	0.00333	410669.21	3774338.13	0.00373
410714.21	3774338.13	0.00388	410759.21	3774338.13	0.00373
410804.21	3774338.13	0.00352	410849.21	3774338.13	0.00340
410894.21	3774338.13	0.00335	410939.21	3774338.13	0.00327
410984.21	3774338.13	0.00312	411029.21	3774338.13	0.00293
411074.21	3774338.13	0.00271	411119.21	3774338.13	0.00252

411164.21 3774338.13 0.00232 411209.21 3774338.13 0.00215
411254.21 3774338.13 0.00198 411299.21 3774338.13 0.00181
410264.21 3774383.13 0.00149 410309.21 3774383.13 0.00172
410354.21 3774383.13 0.00198 410399.21 3774383.13 0.00225
410444.21 3774383.13 0.00253 410489.21 3774383.13 0.00279
410534.21 3774383.13 0.00307 410579.21 3774383.13 0.00356
410624.21 3774383.13 0.00433 410669.21 3774383.13 0.00485
410714.21 3774383.13 0.00512 410759.21 3774383.13 0.00468
410804.21 3774383.13 0.00448 410849.21 3774383.13 0.00439
410894.21 3774383.13 0.00426 410939.21 3774383.13 0.00406
410984.21 3774383.13 0.00384 411029.21 3774383.13 0.00357
411074.21 3774383.13 0.00333 411119.21 3774383.13 0.00309
411164.21 3774383.13 0.00286 411209.21 3774383.13 0.00262
411254.21 3774383.13 0.00240 411299.21 3774383.13 0.00219
410264.21 3774428.13 0.00159 410309.21 3774428.13 0.00186
410354.21 3774428.13 0.00218 410399.21 3774428.13 0.00254
410444.21 3774428.13 0.00294 410489.21 3774428.13 0.00339
410534.21 3774428.13 0.00382 410579.21 3774428.13 0.00462
410264.21 3774473.13 0.00161 410309.21 3774473.13 0.00191
410354.21 3774473.13 0.00232 410399.21 3774473.13 0.00276
410444.21 3774473.13 0.00330 410489.21 3774473.13 0.00395
410534.21 3774473.13 0.00560 410579.21 3774473.13 0.00586
410264.21 3774518.13 0.00165 410309.21 3774518.13 0.00197
410354.21 3774518.13 0.00236 410399.21 3774518.13 0.00285
410444.21 3774518.13 0.00351 410489.21 3774518.13 0.00442

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GENS ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	0.00166	410309.21	3774563.13	0.00198
410354.21	3774563.13	0.00239	410399.21	3774563.13	0.00291
410444.21	3774563.13	0.00362	410489.21	3774563.13	0.00452
410534.21	3774563.13	0.00563	410579.21	3774563.13	0.00771
410264.21	3774608.13	0.00167	410309.21	3774608.13	0.00199
410354.21	3774608.13	0.00239	410399.21	3774608.13	0.00291
410444.21	3774608.13	0.00361	410489.21	3774608.13	0.00446
410534.21	3774608.13	0.00547	410579.21	3774608.13	0.00661
410624.21	3774608.13	0.00561	410759.21	3774608.13	0.01796
410804.21	3774608.13	0.02158	410354.21	3774653.13	0.00240
410399.21	3774653.13	0.00289	410444.21	3774653.13	0.00356
410489.21	3774653.13	0.00435	410534.21	3774653.13	0.00527
410579.21	3774653.13	0.00597	410624.21	3774653.13	0.00571

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         410669.21    3774653.13        0.00410                      410714.21
3774653.13        0.00640
         410759.21    3774653.13        0.01737                      410804.21
3774653.13        0.02266
         410354.21    3774698.13        0.00237                      410399.21
3774698.13        0.00286
         410444.21    3774698.13        0.00352                      410489.21
3774698.13        0.00432
         410534.21    3774698.13        0.00521                      410579.21
3774698.13        0.00582
         410624.21    3774698.13        0.00558                      410669.21
3774698.13        0.00503
         410714.21    3774698.13        0.00638                      410759.21
3774698.13        0.01212
         410804.21    3774698.13        0.01798                      410444.21
3774743.13        0.00337
         410489.21    3774743.13        0.00405                      410534.21
3774743.13        0.00472
         410579.21    3774743.13        0.00513                      410624.21
3774743.13        0.00503
         410669.21    3774743.13        0.00499                      410714.21
3774743.13        0.00584
         410759.21    3774743.13        0.00870                      410804.21
3774743.13        0.01271
         410444.21    3774788.13        0.00311                      410489.21
3774788.13        0.00361
         410534.21    3774788.13        0.00405                      410579.21
3774788.13        0.00426
         410624.21    3774788.13        0.00426                      410669.21
3774788.13        0.00439
         410714.21    3774788.13        0.00499                      410759.21
3774788.13        0.00653
         410804.21    3774788.13        0.00882                      410489.21
3774833.13        0.00313
         410534.21    3774833.13        0.00337                      410579.21
3774833.13        0.00349
         410624.21    3774833.13        0.00356                      410669.21
3774833.13        0.00375
         410714.21    3774833.13        0.00419                      410759.21
3774833.13        0.00498
         410489.21    3774878.13        0.00265                      410534.21
3774878.13        0.00278
         410579.21    3774878.13        0.00286                      410624.21
3774878.13        0.00296
         410669.21    3774878.13        0.00314                      410714.21
3774878.13        0.00339
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CHE ***
INCLUDING SOURCE(S): L0000135 , L0000136 , L0000137 , L0000138 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774023.13	0.22890	410309.21	3774023.13	0.24855
410354.21	3774023.13	0.26903	410399.21	3774023.13	0.28962
410444.21	3774023.13	0.30936	410489.21	3774023.13	0.32702
410534.21	3774023.13	0.34154	410579.21	3774023.13	0.35189
410624.21	3774023.13	0.35739	410669.21	3774023.13	0.35791
410714.21	3774023.13	0.35363	410759.21	3774023.13	0.34515
410804.21	3774023.13	0.33318	410849.21	3774023.13	0.31859
410894.21	3774023.13	0.30212	410939.21	3774023.13	0.28457
410984.21	3774023.13	0.26660	411029.21	3774023.13	0.24880
411074.21	3774023.13	0.23158	411119.21	3774023.13	0.21521
411164.21	3774023.13	0.19988	411209.21	3774023.13	0.18566
411254.21	3774023.13	0.17253	411299.21	3774023.13	0.16045
410264.21	3774068.13	0.25084	410309.21	3774068.13	0.27517
410354.21	3774068.13	0.30112	410399.21	3774068.13	0.32796
410444.21	3774068.13	0.35449	410489.21	3774068.13	0.37914
410534.21	3774068.13	0.40000	410579.21		

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3774068.13        0.41552
         410624.21    3774068.13        0.42430                    410669.21
3774068.13        0.42592
         410714.21    3774068.13        0.42051                    410759.21
3774068.13        0.40899
         410804.21    3774068.13        0.39253                    410849.21
3774068.13        0.37252
         410894.21    3774068.13        0.35018                    410939.21
3774068.13        0.32671
         410984.21    3774068.13        0.30313                    411029.21
3774068.13        0.28019
         411074.21    3774068.13        0.25841                    411119.21
3774068.13        0.23809
         411164.21    3774068.13        0.21938                    411209.21
3774068.13        0.20233
         411254.21    3774068.13        0.18669                    411299.21
3774068.13        0.17249
         410264.21    3774113.13        0.27533                    410309.21
3774113.13        0.30538
         410354.21    3774113.13        0.33829                    410399.21
3774113.13        0.37359
         410444.21    3774113.13        0.40955                    410489.21
3774113.13        0.44435
         410534.21    3774113.13        0.47504                    410579.21
3774113.13        0.49870
         410624.21    3774113.13        0.51295                    410669.21
3774113.13        0.51660
         410714.21    3774113.13        0.50967                    410759.21
3774113.13        0.49348
         410804.21    3774113.13        0.47012                    410849.21
3774113.13        0.44184
         410894.21    3774113.13        0.41076                    410939.21
3774113.13        0.37877
         410984.21    3774113.13        0.34733                    411029.21
3774113.13        0.31744
         411074.21    3774113.13        0.28968                    411119.21
3774113.13        0.26434
         411164.21    3774113.13        0.24146                    411209.21
3774113.13        0.22102
         411254.21    3774113.13        0.20228                    411299.21
3774113.13        0.18592
         410264.21    3774158.13        0.30228                    410309.21
3774158.13        0.33950
         410354.21    3774158.13        0.38147                    410399.21
3774158.13        0.42783
         410444.21    3774158.13        0.47723                    410489.21
3774158.13        0.52688
         410534.21    3774158.13        0.57280                    410579.21
3774158.13        0.60999
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CHE ***
INCLUDING SOURCE(S): L0000135 , L0000136 , L0000137 , L0000138 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410624.21	3774158.13	0.63388	410669.21	3774158.13	0.64142
410714.21	3774158.13	0.63232	410759.21	3774158.13	0.60870
410804.21	3774158.13	0.57415	410849.21	3774158.13	0.53279
410894.21	3774158.13	0.48832	410939.21	3774158.13	0.44374
410984.21	3774158.13	0.40115	411029.21	3774158.13	0.36180
411074.21	3774158.13	0.32623	411119.21	3774158.13	0.29457
411164.21	3774158.13	0.26641	411209.21	3774158.13	0.24181
411254.21	3774158.13	0.21981	411299.21	3774158.13	0.20088
410264.21	3774203.13	0.33164	410309.21	3774203.13	0.37760
410354.21	3774203.13	0.43108	410399.21	3774203.13	0.49239
410444.21	3774203.13	0.56054	410489.21	3774203.13	0.63252
410534.21	3774203.13	0.70275	410579.21	3774203.13	0.76297
410624.21	3774203.13	0.80421	410669.21	3774203.13	0.81974
410714.21	3774203.13	0.80759	410759.21	3774203.13	0.77127

```
         410804.21    3774203.13        0.71775                    410849.21
3774203.13        0.65478
         410894.21    3774203.13        0.58913                    410939.21
3774203.13        0.52560
         410984.21    3774203.13        0.46708                    411029.21
3774203.13        0.41486
         411074.21    3774203.13        0.36916                    411119.21
3774203.13        0.32933
         411164.21    3774203.13        0.29478                    411209.21
3774203.13        0.26525
         411254.21    3774203.13        0.23944                    411299.21
3774203.13        0.21772
         410264.21    3774248.13        0.36343                    410309.21
3774248.13        0.41963
         410354.21    3774248.13        0.48752                    410399.21
3774248.13        0.56857
         410444.21    3774248.13        0.66314                    410489.21
3774248.13        0.76888
         410534.21    3774248.13        0.87879                    410579.21
3774248.13        0.97987
         410624.21    3774248.13        1.05459                    410669.21
3774248.13        1.08690
         410714.21    3774248.13        1.07028                    410759.21
3774248.13        1.01061
         410804.21    3774248.13        0.92277                    410849.21
3774248.13        0.82236
         410894.21    3774248.13        0.72219                    410939.21
3774248.13        0.62977
         410984.21    3774248.13        0.54844                    411029.21
3774248.13        0.47883
         411074.21    3774248.13        0.41945                    411119.21
3774248.13        0.36929
         411164.21    3774248.13        0.32711                    411209.21
3774248.13        0.29244
         411254.21    3774248.13        0.26220                    411299.21
3774248.13        0.23695
         410264.21    3774293.13        0.39684                    410309.21
3774293.13        0.46514
         410354.21    3774293.13        0.55054                    410399.21
3774293.13        0.65717
         410444.21    3774293.13        0.78857                    410489.21
3774293.13        0.94557
         410534.21    3774293.13        1.12179                    410579.21
3774293.13        1.29839
         410624.21    3774293.13        1.44159                    410669.21
3774293.13        1.51212
         410714.21    3774293.13        1.48907                    410759.21
3774293.13        1.38223
         410804.21    3774293.13        1.22682                    410849.21
3774293.13        1.05815
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CHE ***
INCLUDING SOURCE(S): L0000135 , L0000136 , L0000137 , L0000138 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410984.21	3774293.13	0.64988	411029.21	3774293.13	0.55534
411074.21	3774293.13	0.47913	411119.21	3774293.13	0.41696
411164.21	3774293.13	0.36572	411209.21	3774293.13	0.32417
411254.21	3774293.13	0.28875	411299.21	3774293.13	0.25929
410264.21	3774338.13	0.43077	410309.21	3774338.13	0.51277
410354.21	3774338.13	0.61884	410399.21	3774338.13	0.75747
410444.21	3774338.13	0.93887	410489.21	3774338.13	1.17273
410534.21	3774338.13	1.46135	410579.21	3774338.13	1.78486
410624.21	3774338.13	2.08082	410669.21	3774338.13	2.24946
410714.21	3774338.13	2.21539	410759.21	3774338.13	1.99978
410804.21	3774338.13	1.69771	410849.21	3774338.13	1.39294
410894.21	3774338.13	1.13600	410939.21	3774338.13	0.93079
410984.21	3774338.13	0.77631	411029.21		

3774338.13 0.64989
411074.21 3774338.13 0.55232 411119.21
3774338.13 0.47493
411164.21 3774338.13 0.41264 411209.21
3774338.13 0.36222
411254.21 3774338.13 0.32031 411299.21
3774338.13 0.28569
410264.21 3774383.13 0.46351 410309.21
3774383.13 0.55998
410354.21 3774383.13 0.68915 410399.21
3774383.13 0.86584
410444.21 3774383.13 1.11183 410489.21
3774383.13 1.45710
410534.21 3774383.13 1.93565 410579.21
3774383.13 2.55640
410624.21 3774383.13 3.22992 410669.21
3774383.13 3.69052
410714.21 3774383.13 3.63826 410759.21
3774383.13 3.11963
410804.21 3774383.13 2.46478 410849.21
3774383.13 1.88575
410894.21 3774383.13 1.46775 410939.21
3774383.13 1.15959
410984.21 3774383.13 0.94285 411029.21
3774383.13 0.77004
411074.21 3774383.13 0.64455 411119.21
3774383.13 0.54714
411164.21 3774383.13 0.46963 411209.21
3774383.13 0.40784
411254.21 3774383.13 0.35787 411299.21
3774383.13 0.31678
410264.21 3774428.13 0.49287 410309.21
3774428.13 0.60337
410354.21 3774428.13 0.75601 410399.21
3774428.13 0.97385
410444.21 3774428.13 1.29595 410489.21
3774428.13 1.79065
410534.21 3774428.13 2.57263 410579.21
3774428.13 3.80097
410264.21 3774473.13 0.51591 410309.21
3774473.13 0.63829
410354.21 3774473.13 0.81157 410399.21
3774473.13 1.06751
410444.21 3774473.13 1.46588 410489.21
3774473.13 2.12948
410534.21 3774473.13 3.32640 410579.21
3774473.13 5.68805
410264.21 3774518.13 0.53026 410309.21
3774518.13 0.66027
410354.21 3774518.13 0.84712 410399.21

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CHE   ***
                                  INCLUDING SOURCE(S):   L0000135   , L0000136
 , L0000137   , L0000138   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         410264.21   3774563.13   0.53393   410309.21
3774563.13   0.66573
         410354.21   3774563.13   0.85562   410399.21
3774563.13   1.14334
         410444.21   3774563.13   1.60890   410489.21
3774563.13   2.43543
         410534.21   3774563.13   4.10704   410579.21
3774563.13   8.30271
         410264.21   3774608.13   0.52641   410309.21
3774608.13   0.65364
         410354.21   3774608.13   0.83498   410399.21
3774608.13   1.10550
         410444.21   3774608.13   1.53292   410489.21
3774608.13   2.26283
         410534.21   3774608.13   3.62880   410579.21
3774608.13   6.60513
         410624.21   3774608.13   14.14431   410759.21
3774608.13   18.77978
         410804.21   3774608.13   10.66565   410354.21
3774653.13   0.78890
         410399.21   3774653.13   1.02498   410444.21
3774653.13   1.38039

```
         410489.21    3774653.13        1.94261                    410534.21
3774653.13        2.87813
         410579.21    3774653.13        4.48267                    410624.21
3774653.13        7.10581
         410669.21    3774653.13       10.01782                    410714.21
3774653.13       10.63657
         410759.21    3774653.13        8.88031                    410804.21
3774653.13        6.71811
         410354.21    3774698.13        0.72523                    410399.21
3774698.13        0.91833
         410444.21    3774698.13        1.19195                    410489.21
3774698.13        1.58735
         410534.21    3774698.13        2.16171                    410579.21
3774698.13        2.96740
         410624.21    3774698.13        3.95432                    410669.21
3774698.13        4.78600
         410714.21    3774698.13        4.97644                    410759.21
3774698.13        4.59588
         410804.21    3774698.13        4.01000                    410444.21
3774743.13        1.00437
         410489.21    3774743.13        1.26983                    410534.21
3774743.13        1.61268
         410579.21    3774743.13        2.02676                    410624.21
3774743.13        2.45643
         410669.21    3774743.13        2.77654                    410714.21
3774743.13        2.87236
         410759.21    3774743.13        2.75192                    410804.21
3774743.13        2.52241
         410444.21    3774788.13        0.83738                    410489.21
3774788.13        1.01344
         410534.21    3774788.13        1.22080                    410579.21
3774788.13        1.44663
         410624.21    3774788.13        1.65899                    410669.21
3774788.13        1.80952
         410714.21    3774788.13        1.86029                    410759.21
3774788.13        1.80945
         410804.21    3774788.13        1.69324                    410489.21
3774833.13        0.81378
         410534.21    3774833.13        0.94219                    410579.21
3774833.13        1.07446
         410624.21    3774833.13        1.19202                    410669.21
3774833.13        1.27282
         410714.21    3774833.13        1.29725                    410759.21
3774833.13        1.26810
         410489.21    3774878.13        0.66359                    410534.21
3774878.13        0.74398
         410579.21    3774878.13        0.82438                    410624.21
3774878.13        0.89386
         410669.21    3774878.13        0.94279                    410714.21
3774878.13        0.94987
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774023.13	1.39194	410309.21	3774023.13	1.50384
410354.21	3774023.13	1.61640	410399.21	3774023.13	1.72556
410444.21	3774023.13	1.82695	410489.21	3774023.13	1.91524
410534.21	3774023.13	1.98671	410579.21	3774023.13	2.03744
410624.21	3774023.13	2.06487	410669.21	3774023.13	2.06843
410714.21	3774023.13	2.04833	410759.21	3774023.13	2.00689
410804.21	3774023.13	1.94668	410849.21	3774023.13	1.87171
410894.21	3774023.13	1.78524	410939.21	3774023.13	1.69109
410984.21	3774023.13	1.59292	411029.21	3774023.13	1.49392
411074.21	3774023.13	1.39666	411119.21	3774023.13	1.30300
411164.21	3774023.13	1.21420	411209.21		

3774023.13 1.13109
411254.21 3774023.13 1.05393 411299.21
3774023.13 0.98270
410264.21 3774068.13 1.55122 410309.21
3774068.13 1.69366
410354.21 3774068.13 1.83878 410399.21
3774068.13 1.98189
410444.21 3774068.13 2.11710 410489.21
3774068.13 2.23795
410534.21 3774068.13 2.33723 410579.21
3774068.13 2.40986
410624.21 3774068.13 2.45065 410669.21
3774068.13 2.45837
410714.21 3774068.13 2.43284 410759.21
3774068.13 2.37744
410804.21 3774068.13 2.29626 410849.21
3774068.13 2.19514
410894.21 3774068.13 2.07896 410939.21
3774068.13 1.95354
410984.21 3774068.13 1.82421 411029.21
3774068.13 1.69566
411074.21 3774068.13 1.57130 411119.21
3774068.13 1.45359
411164.21 3774068.13 1.34368 411209.21
3774068.13 1.24273
411254.21 3774068.13 1.14989 411299.21
3774068.13 1.06513
410264.21 3774113.13 1.74261 410309.21
3774113.13 1.92608
410354.21 3774113.13 2.11552 410399.21
3774113.13 2.30639
410444.21 3774113.13 2.48903 410489.21
3774113.13 2.65665
410534.21 3774113.13 2.79806 410579.21
3774113.13 2.90337
410624.21 3774113.13 2.96503 410669.21
3774113.13 2.97959
410714.21 3774113.13 2.94655 410759.21
3774113.13 2.87024
410804.21 3774113.13 2.75792 410849.21
3774113.13 2.61780
410894.21 3774113.13 2.45795 410939.21
3774113.13 2.28706
410984.21 3774113.13 2.11313 411029.21
3774113.13 1.94315
411074.21 3774113.13 1.78181 411119.21
3774113.13 1.63205
411164.21 3774113.13 1.49487 411209.21
3774113.13 1.37156
411254.21 3774113.13 1.25883 411299.21

3774113.13   1.15874
         410264.21   3774158.13   1.97607   410309.21
3774158.13   2.21864
         410354.21   3774158.13   2.47202   410399.21
3774158.13   2.72898
         410444.21   3774158.13   2.98090   410489.21
3774158.13   3.21614
         410534.21   3774158.13   3.42085   410579.21
3774158.13   3.57834

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
 , L0000027   , L0000028   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         410624.21   3774158.13   3.67492   410669.21
3774158.13   3.70118
         410714.21   3774158.13   3.65678   410759.21
3774158.13   3.54848
         410804.21   3774158.13   3.38743   410849.21
3774158.13   3.18733
         410894.21   3774158.13   2.96104   410939.21
3774158.13   2.72181
         410984.21   3774158.13   2.48190   411029.21
3774158.13   2.25217
         411074.21   3774158.13   2.03887   411119.21
3774158.13   1.84597

411164.21 3774158.13 1.67320 411209.21
3774158.13 1.52086
411254.21 3774158.13 1.38454 411299.21
3774158.13 1.26549
410264.21 3774203.13 2.27095 410309.21
3774203.13 2.60284
410354.21 3774203.13 2.95178 410399.21
3774203.13 3.30655
410444.21 3774203.13 3.65812 410489.21
3774203.13 3.99509
410534.21 3774203.13 4.29878 410579.21
3774203.13 4.54164
410624.21 3774203.13 4.69629 410669.21
3774203.13 4.74467
410714.21 3774203.13 4.68267 410759.21
3774203.13 4.52167
410804.21 3774203.13 4.28175 410849.21
3774203.13 3.98549
410894.21 3774203.13 3.65416 410939.21
3774203.13 3.30780
410984.21 3774203.13 2.96647 411029.21
3774203.13 2.64643
411074.21 3774203.13 2.35881 411119.21
3774203.13 2.10587
411164.21 3774203.13 1.88582 411209.21
3774203.13 1.69605
411254.21 3774203.13 1.52971 411299.21
3774203.13 1.38835
410264.21 3774248.13 2.66803 410309.21
3774248.13 3.14956
410354.21 3774248.13 3.65387 410399.21
3774248.13 4.15672
410444.21 3774248.13 4.65549 410489.21
3774248.13 5.14785
410534.21 3774248.13 5.61178 410579.21
3774248.13 6.00135
410624.21 3774248.13 6.26051 410669.21
3774248.13 6.34811
410714.21 3774248.13 6.25523 410759.21
3774248.13 5.99987
410804.21 3774248.13 5.62583 410849.21
3774248.13 5.16857
410894.21 3774248.13 4.66463 410939.21
3774248.13 4.14166
410984.21 3774248.13 3.63158 411029.21
3774248.13 3.16702
411074.21 3774248.13 2.76534 411119.21
3774248.13 2.42629
411164.21 3774248.13 2.14146 411209.21
3774248.13 1.90618

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         411254.21    3774248.13        1.70222                      411299.21
3774248.13        1.53171
         410264.21    3774293.13        3.25443                      410309.21
3774293.13        4.05555
         410354.21    3774293.13        4.85695                      410399.21
3774293.13        5.59517
         410444.21    3774293.13        6.31111                      410489.21
3774293.13        7.04414
         410534.21    3774293.13        7.78014                      410579.21
3774293.13        8.43688
         410624.21    3774293.13        8.88862                      410669.21
3774293.13        9.03949
         410714.21    3774293.13        8.89016                      410759.21
3774293.13        8.45279
         410804.21    3774293.13        7.82455                      410849.21
3774293.13        7.08259
         410894.21    3774293.13        6.27956                      410939.21
3774293.13        5.43834
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410984.21    3774293.13        4.61186                      411029.21
3774293.13        3.88188
         411074.21    3774293.13        3.29661                      411119.21
```

3774293.13 2.83332
411164.21 3774293.13 2.45972 411209.21
3774293.13 2.16010
411254.21 3774293.13 1.90852 411299.21
3774293.13 1.70103
410264.21 3774338.13 4.27917 410309.21
3774338.13 6.14179
410354.21 3774338.13 7.71958 410399.21
3774338.13 8.84070
410444.21 3774338.13 9.84583 410489.21
3774338.13 10.92653
410534.21 3774338.13 12.14022 410579.21
3774338.13 13.33572
410624.21 3774338.13 14.13990 410669.21
3774338.13 14.38427
410714.21 3774338.13 14.06185 410759.21
3774338.13 13.21570
410804.21 3774338.13 12.02980 410849.21
3774338.13 10.73417
410894.21 3774338.13 9.38726 410939.21
3774338.13 7.86715
410984.21 3774338.13 6.25815 411029.21
3774338.13 4.92922
411074.21 3774338.13 4.01634 411119.21
3774338.13 3.35996
411164.21 3774338.13 2.86114 411209.21
3774338.13 2.47117
411254.21 3774338.13 2.15658 411299.21
3774338.13 1.90197
410264.21 3774383.13 6.35194 410309.21
3774383.13 17.92915
410354.21 3774383.13 22.50756 410399.21
3774383.13 23.62516
410444.21 3774383.13 24.41564 410489.21
3774383.13 25.41629
410534.21 3774383.13 27.15597 410579.21
3774383.13 29.63437
410624.21 3774383.13 30.61740 410669.21
3774383.13 30.37386
410714.21 3774383.13 29.32728 410759.21
3774383.13 27.12038
410804.21 3774383.13 24.42238 410849.21
3774383.13 21.73856
410894.21 3774383.13 19.23570 410939.21
3774383.13 15.73570
410984.21 3774383.13 9.90206 411029.21
3774383.13 6.52188
411074.21 3774383.13 4.98274 411119.21
3774383.13 4.03255
411164.21 3774383.13 3.35418 411209.21

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3774383.13        2.84510
         411254.21    3774383.13        2.44957                        411299.21
3774383.13        2.13540
         410264.21    3774428.13        6.54383                        410309.21
3774428.13       18.83510
         410354.21    3774428.13       25.93436                        410399.21
3774428.13       29.52974
         410444.21    3774428.13       32.87725                        410489.21
3774428.13       37.05722
         410534.21    3774428.13       43.61474                        410579.21
3774428.13       65.34891
         410264.21    3774473.13        4.72880                        410309.21
3774473.13        6.90499
         410354.21    3774473.13        9.18282                        410399.21
3774473.13       11.31570
         410444.21    3774473.13       13.77213                        410489.21
3774473.13       17.47394
         410534.21    3774473.13       25.31854                        410579.21
3774473.13       65.19930
         410264.21    3774518.13        3.90753                        410309.21
3774518.13        5.02182
         410354.21    3774518.13        6.40393                        410399.21
3774518.13        8.12423
         410444.21    3774518.13       10.51192                        410489.21
3774518.13       14.62487
         410534.21    3774518.13       23.76471                        410579.21
3774518.13       65.46569
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 190
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410264.21	3774563.13	3.48463	410309.21	3774563.13	4.33039
410354.21	3774563.13	5.42619	410399.21	3774563.13	6.93906
410444.21	3774563.13	9.23168	410489.21	3774563.13	13.27856
410534.21	3774563.13	22.47278	410579.21	3774563.13	63.41868
410264.21	3774608.13	3.20691	410309.21	3774608.13	3.92314
410354.21	3774608.13	4.87035	410399.21	3774608.13	6.20509
410444.21	3774608.13	8.24038	410489.21	3774608.13	11.74489
410534.21	3774608.13	19.00978	410579.21	3774608.13	44.14222
410624.21	3774608.13	72.04328	410759.21	3774608.13	103.90459
410804.21	3774608.13	51.81483	410354.21	3774653.13	4.42488
410399.21	3774653.13	5.57549	410444.21	3774653.13	7.26774
410489.21	3774653.13	9.95373	410534.21	3774653.13	14.62445
410579.21	3774653.13	23.30511	410624.21	3774653.13	37.82926
410669.21	3774653.13	60.75139	410714.21	3774653.13	82.75652
410759.21	3774653.13	68.89171	410804.21	3774653.13	42.48578
410354.21	3774698.13	4.01017	410399.21	3774698.13	4.96032
410444.21	3774698.13	6.29259	410489.21	3774698.13	8.22857
410534.21	3774698.13	11.10721	410579.21	3774698.13	15.33228
410624.21	3774698.13	21.14518	410669.21	3774698.13	28.79654
410714.21	3774698.13	41.15520	410759.21	3774698.13	52.17245
410804.21	3774698.13	49.70294	410444.21	3774743.13	5.40351
410489.21	3774743.13	6.78430	410534.21	3774743.13	8.64382

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         410579.21    3774743.13       11.08738                       410624.21
3774743.13       14.16061
         410669.21    3774743.13       17.92219                       410714.21
3774743.13       23.06244
         410759.21    3774743.13       34.31285                       410804.21
3774743.13       49.39177
         410444.21    3774788.13        4.63700                       410489.21
3774788.13        5.64336
         410534.21    3774788.13        6.93096                       410579.21
3774788.13        8.56826
         410624.21    3774788.13       10.65462                       410669.21
3774788.13       13.41961
         410714.21    3774788.13       17.58986                       410759.21
3774788.13       26.02464
         410804.21    3774788.13       57.05751                       410489.21
3774833.13        4.74886
         410534.21    3774833.13        5.70693                       410579.21
3774833.13        6.97406
         410624.21    3774833.13        8.81918                       410669.21
3774833.13       12.06296
         410714.21    3774833.13       19.36610                       410759.21
3774833.13       48.91866
         410489.21    3774878.13        4.04273                       410534.21
3774878.13        4.78558
         410579.21    3774878.13        5.84701                       410624.21
3774878.13        7.76791
         410669.21    3774878.13       13.59107                       410714.21
3774878.13       34.41698
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 191
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ARROW    ***
                                    INCLUDING SOURCE(S):     L0000083    , L0000084
 , L0000085    , L0000086    , L0000087    ,
                 L0000088    , L0000089    , L0000090    , L0000091    , L0000092
 , L0000093    , L0000094    , L0000095    ,
                 L0000096    , L0000097    , L0000098    , L0000099    , L0000100
 , L0000101    , L0000102    , L0000103    ,
                 L0000104    , L0000105    , L0000106    , L0000107    , L0000108
 , L0000109    , L0000110    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774023.13	3.66435	(12100307)	410309.21	3774023.13	3.85301	(12100307)
410354.21	3774023.13	4.41467	(12021515)	410399.21	3774023.13	5.67001	(12021515)
410444.21	3774023.13	6.95808	(12021515)	410489.21	3774023.13	8.18246	(12021515)
410534.21	3774023.13	9.26923	(12021515)	410579.21	3774023.13	10.15835	(12021515)
410624.21	3774023.13	10.80002	(12021515)	410669.21	3774023.13	11.13692	(12021515)
410714.21	3774023.13	11.07375	(12021515)	410759.21	3774023.13	10.50838	(12021515)
410804.21	3774023.13	9.36847	(12021515)	410849.21	3774023.13	7.86271	(15122816)
410894.21	3774023.13	8.71764	(12101116)	410939.21	3774023.13	9.88066	(12101116)
410984.21	3774023.13	10.51074	(12101116)	411029.21	3774023.13	10.87252	(12042618)
411074.21	3774023.13	12.99375	(12042618)	411119.21	3774023.13	14.40166	(12042618)
411164.21	3774023.13	14.72251	(12042618)	411209.21	3774023.13	13.83116	(12042618)
411254.21	3774023.13	11.92701	(12042618)	411299.21	3774023.13	9.45080	(12042618)
410264.21	3774068.13	3.88917	(12100307)	410309.21	3774068.13	4.10506	(12100307)
410354.21	3774068.13	4.33036	(12100307)	410399.21	3774068.13	5.52285	(12021515)
410444.21	3774068.13	6.92969	(12021515)	410489.21	3774068.13	8.30760	(12021515)
410534.21	3774068.13	9.55933	(12021515)	410579.21	3774068.13	10.62463	(12021515)
410624.21	3774068.13	11.45117	(12021515)	410669.21	3774068.13	11.99516	(12021515)
410714.21	3774068.13	12.15786	(12021515)	410759.21	3774068.13	11.81169	(12021515)
410804.21	3774068.13	10.82102	(12021515)	410849.21	3774068.13	9.16914	(12021515)
410894.21	3774068.13	9.58021	(12101116)	410939.21	3774068.13	10.87038	(12101116)
410984.21	3774068.13	11.55295	(12101116)	411029.21	3774068.13	12.61868	(12042618)
411074.21	3774068.13	14.88329	(12042618)	411119.21			

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 3774068.13       16.18412  (12042618)
       411164.21   3774068.13       16.11870  (12042618)                411209.21
 3774068.13       14.63650  (12042618)
       411254.21   3774068.13       12.11110  (12042618)                411299.21
 3774068.13        9.14774  (12042618)
       410264.21   3774113.13        4.13192  (12100307)                410309.21
 3774113.13        4.37737  (12100307)
       410354.21   3774113.13        4.63455  (12100307)                410399.21
 3774113.13        5.33134  (12021515)
       410444.21   3774113.13        6.85746  (12021515)                410489.21
 3774113.13        8.39900  (12021515)
       410534.21   3774113.13        9.83771  (12021515)                410579.21
 3774113.13       11.08931  (12021515)
       410624.21   3774113.13       12.10889  (12021515)                410669.21
 3774113.13       12.86756  (12021515)
       410714.21   3774113.13       13.28220  (12021515)                410759.21
 3774113.13       13.20449  (12021515)
       410804.21   3774113.13       12.44967  (12021515)                410849.21
 3774113.13       10.88885  (12021515)
       410894.21   3774113.13       10.57041  (12101116)                410939.21
 3774113.13       12.01393  (12101116)
       410984.21   3774113.13       12.76922  (12101116)                411029.21
 3774113.13       14.69836  (12042618)
       411074.21   3774113.13       17.09025  (12042618)                411119.21
 3774113.13       18.19015  (12042618)
       411164.21   3774113.13       17.57524  (12042618)                411209.21
 3774113.13       15.33492  (12042618)
       411254.21   3774113.13       12.08933  (12042618)                411299.21
 3774113.13        8.63453  (12042618)
       410264.21   3774158.13        4.38799  (12100307)                410309.21
 3774158.13        4.67079  (12100307)
       410354.21   3774158.13        4.96834  (12100307)                410399.21
 3774158.13        5.28361  (12100307)
       410444.21   3774158.13        6.73808  (12021515)                410489.21
 3774158.13        8.45014  (12021515)
       410534.21   3774158.13       10.09144  (12021515)                410579.21
 3774158.13       11.55314  (12021515)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 192
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ARROW    ***
                                  INCLUDING SOURCE(S):     L0000083    , L0000084
 , L0000085    , L0000086    , L0000087    ,
                L0000088    , L0000089    , L0000090    , L0000091    , L0000092
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 , L0000093    , L0000094    , L0000095    ,
                 L0000096    , L0000097    , L0000098    , L0000099    , L0000100
 , L0000101    , L0000102    , L0000103    ,
                 L0000104    , L0000105    , L0000106    , L0000107    , L0000108
 , L0000109    , L0000110    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410624.21   3774158.13       12.78793  (12021515)               410669.21
 3774158.13       13.76652  (12021515)
        410714.21   3774158.13       14.44445  (12021515)               410759.21
 3774158.13       14.68925  (12021515)
        410804.21   3774158.13       14.25598  (12021515)               410849.21
 3774158.13       12.90408  (12021515)
        410894.21   3774158.13       11.71832  (12101116)               410939.21
 3774158.13       13.35281  (12101116)
        410984.21   3774158.13       14.20903  (12101116)               411029.21
 3774158.13       17.19469  (12042618)
        411074.21   3774158.13       19.68867  (12042618)               411119.21
 3774158.13       20.44621  (12042618)
        411164.21   3774158.13       19.05645  (12042618)               411209.21
 3774158.13       15.85832  (12042618)
        411254.21   3774158.13       11.79938  (12042618)               411299.21
 3774158.13        8.89453  (14120116)
        410264.21   3774203.13        4.65759  (12100307)               410309.21
 3774203.13        4.98280  (12100307)
        410354.21   3774203.13        5.32831  (12100307)               410399.21
 3774203.13        5.69678  (12100307)
        410444.21   3774203.13        6.55938  (12021515)               410489.21
 3774203.13        8.45342  (12021515)
        410534.21   3774203.13       10.32083  (12021515)               410579.21
 3774203.13       12.02066  (12021515)
        410624.21   3774203.13       13.47996  (12021515)               410669.21
 3774203.13       14.69368  (12021515)
        410714.21   3774203.13       15.65153  (12021515)               410759.21
 3774203.13       16.25035  (12021515)
        410804.21   3774203.13       16.23486  (12021515)               410849.21
 3774203.13       15.25381  (12021515)
        410894.21   3774203.13       13.06442  (12101116)               410939.21
 3774203.13       14.94146  (12101116)
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 3774203.13       20.22899  (12042618)
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       411164.21   3774203.13       20.50537  (12042618)                411209.21
 3774203.13       16.10704  (12042618)
       411254.21   3774203.13       11.17766  (12042618)                411299.21
 3774203.13       11.21806  (14120116)
       410264.21   3774248.13        4.94703  (12100307)                410309.21
 3774248.13        5.31570  (12100307)
       410354.21   3774248.13        5.71614  (12100307)                410399.21
 3774248.13        6.14723  (12100307)
       410444.21   3774248.13        6.60910  (12100307)                410489.21
 3774248.13        8.39785  (12021515)
       410534.21   3774248.13       10.51561  (12021515)                410579.21
 3774248.13       12.49089  (12021515)
       410624.21   3774248.13       14.22171  (12021515)                410669.21
 3774248.13       15.68783  (12021515)
       410714.21   3774248.13       16.91729  (12021515)                410759.21
 3774248.13       17.89458  (12021515)
       410804.21   3774248.13       18.37402  (12021515)                410849.21
 3774248.13       17.94314  (12021515)
       410894.21   3774248.13       16.00441  (12021515)                410939.21
 3774248.13       16.84109  (12101116)
       410984.21   3774248.13       19.61575  (12042618)                411029.21
 3774248.13       23.96671  (12042618)
       411074.21   3774248.13       26.49202  (12042618)                411119.21
 3774248.13       25.81677  (12042618)
       411164.21   3774248.13       21.82445  (12042618)                411209.21
 3774248.13       15.95000  (12042618)
       411254.21   3774248.13       13.37991  (14120116)                411299.21
 3774248.13       13.79611  (14120116)
       410264.21   3774293.13        5.25119  (12100307)                410309.21
 3774293.13        5.67154  (12100307)
       410354.21   3774293.13        6.13245  (12100307)                410399.21
 3774293.13        6.63653  (12100307)
       410444.21   3774293.13        7.18430  (12100307)                410489.21
 3774293.13        8.27151  (12021515)
       410534.21   3774293.13       10.66764  (12021515)                410579.21
 3774293.13       12.96361  (12021515)
       410624.21   3774293.13       15.00493  (12021515)                410669.21
 3774293.13       16.76226  (12021515)
       410714.21   3774293.13       18.26938  (12021515)                410759.21
 3774293.13       19.62795  (12021515)
       410804.21   3774293.13       20.68108  (12021515)                410849.21
 3774293.13       20.98313  (12021515)
       410894.21   3774293.13       19.69661  (12021515)                410939.21
 3774293.13       19.15929  (12101116)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROW ***
INCLUDING SOURCE(S): L0000083 , L0000084 , L0000085 , L0000086 , L0000087 ,
L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 ,
L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410984.21	3774293.13	23.64933	(12042618)	411029.21	3774293.13	28.67708	(12042618)
411074.21	3774293.13	31.05591	(12042618)	411119.21	3774293.13	28.96692	(12042618)
411164.21	3774293.13	22.83366	(12042618)	411209.21	3774293.13	16.19410	(14120116)
411254.21	3774293.13	16.96413	(14120116)	411299.21	3774293.13	16.39260	(14120116)
410264.21	3774338.13	5.56808	(12100307)	410309.21	3774338.13	6.04880	(12100307)
410354.21	3774338.13	6.57877	(12100307)	410399.21	3774338.13	7.16579	(12100307)
410444.21	3774338.13	7.81350	(12100307)	410489.21	3774338.13	8.52350	(12100307)
410534.21	3774338.13	10.75556	(12021515)	410579.21	3774338.13	13.43069	(12021515)
410624.21	3774338.13	15.84993	(12021515)	410669.21	3774338.13	17.93467	(12021515)
410714.21	3774338.13	19.77386	(12021515)	410759.21	3774338.13	21.50435	(12021515)
410804.21	3774338.13	23.16614	(12021515)	410849.21	3774338.13	24.36473	(12021515)
410894.21	3774338.13	24.15835	(12021515)	410939.21	3774338.13	22.08417	(12042618)
410984.21	3774338.13	28.82581	(12042618)	411029.21			

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3774338.13       34.79357  (12042618)
       411074.21   3774338.13       36.82010  (12042618)                411119.21
3774338.13       32.40761  (12042618)
       411164.21   3774338.13       23.24522  (12042618)                411209.21
3774338.13       21.39552  (14120116)
       411254.21   3774338.13       20.73088  (14120116)                411299.21
3774338.13       18.58593  (14120116)
       410264.21   3774383.13        5.89480  (12100307)                410309.21
3774383.13        6.44039  (12100307)
       410354.21   3774383.13        7.05052  (12100307)                410399.21
3774383.13        7.73485  (12100307)
       410444.21   3774383.13        8.50100  (12100307)                410489.21
3774383.13        9.35173  (12100307)
       410534.21   3774383.13       10.75719  (12021515)                410579.21
3774383.13       13.87721  (12021515)
       410624.21   3774383.13       16.77075  (12021515)                410669.21
3774383.13       19.27974  (12021515)
       410714.21   3774383.13       21.50322  (12021515)                410759.21
3774383.13       23.63294  (12021515)
       410804.21   3774383.13       25.85865  (12021515)                410849.21
3774383.13       28.06496  (12021515)
       410894.21   3774383.13       29.41596  (12021515)                410939.21
3774383.13       27.95567  (12021515)
       410984.21   3774383.13       35.65000  (12042618)                411029.21
3774383.13       43.12553  (12042618)
       411074.21   3774383.13       44.41487  (12042618)                411119.21
3774383.13       35.98884  (12042618)
       411164.21   3774383.13       27.84145  (14120116)                411209.21
3774383.13       27.19069  (14120116)
       411254.21   3774383.13       23.99026  (14120116)                411299.21
3774383.13       19.95134  (12012517)
       410264.21   3774428.13        6.23195  (12100307)                410309.21
3774428.13        6.84735  (12100307)
       410354.21   3774428.13        7.54626  (12100307)                410399.21
3774428.13        8.34024  (12100307)
       410444.21   3774428.13        9.24154  (12100307)                410489.21
3774428.13       10.26649  (12100307)
       410534.21   3774428.13       11.42612  (12100307)                410579.21
3774428.13       14.28112  (12021515)
       410264.21   3774473.13        7.55231  (12022717)                410309.21
3774473.13        7.78826  (12022717)
       410354.21   3774473.13        8.05325  (12100307)                410399.21
3774473.13        8.97268  (12100307)
       410444.21   3774473.13       10.03609  (12100307)                410489.21
3774473.13       11.26492  (12100307)
       410534.21   3774473.13       12.68374  (12100307)                410579.21
3774473.13       14.61089  (12021515)
       410264.21   3774518.13        8.83246  (12022717)                410309.21
3774518.13        9.24600  (12022717)
       410354.21   3774518.13        9.67849  (12022717)                410399.21
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ARROW   ***
                                  INCLUDING SOURCE(S):   L0000083   , L0000084
 , L0000085   , L0000086   , L0000087   ,
                 L0000088   , L0000089   , L0000090   , L0000091   , L0000092
 , L0000093   , L0000094   , L0000095   ,
                 L0000096   , L0000097   , L0000098   , L0000099   , L0000100
 , L0000101   , L0000102   , L0000103   ,
                 L0000104   , L0000105   , L0000106   , L0000107   , L0000108
 , L0000109   , L0000110   , . . .   ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       410264.21   3774563.13   9.93869 (12022717)   410309.21
 3774563.13   10.53291 (12022717)
       410354.21   3774563.13   11.17239 (12022717)   410399.21
 3774563.13   11.86809 (12022717)
       410444.21   3774563.13   12.64439 (12022717)   410489.21
 3774563.13   13.52356 (12022717)
       410534.21   3774563.13   15.62475 (12100307)   410579.21
 3774563.13   18.18271 (12100307)
       410264.21   3774608.13   10.79316 (12022717)   410309.21
 3774608.13   11.59305 (12022717)
       410354.21   3774608.13   12.45808 (12022717)   410399.21
 3774608.13   13.40000 (12022717)
       410444.21   3774608.13   14.45277 (12022717)   410489.21
 3774608.13   15.65055 (12022717)
       410534.21   3774608.13   17.30570 (12100307)   410579.21
 3774608.13   20.49669 (12100307)

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       410624.21   3774608.13       24.48063  (12100307)                410759.21
3774608.13       44.59990  (12021515)
       410804.21   3774608.13       55.11074  (12100307)                410354.21
3774653.13       13.47634  (12022717)
       410399.21   3774653.13       14.70619  (12022717)                410444.21
3774653.13       16.06884  (12022717)
       410489.21   3774653.13       17.60779  (12022717)                410534.21
3774653.13       19.39983  (12022717)
       410579.21   3774653.13       23.05015  (12100307)                410624.21
3774653.13       28.23958  (12100307)
       410669.21   3774653.13       35.02874  (12100307)                410714.21
3774653.13       43.95277  (12100307)
       410759.21   3774653.13       56.16726  (12100307)                410804.21
3774653.13       73.80847  (12100307)
       410354.21   3774698.13       14.06203  (12022717)                410399.21
3774698.13       15.69827  (12022717)
       410444.21   3774698.13       17.50178  (12022717)                410489.21
3774698.13       19.50915  (12022717)
       410534.21   3774698.13       21.82233  (12022717)                410579.21
3774698.13       25.87236  (12100307)
       410624.21   3774698.13       32.64848  (12100307)                410669.21
3774698.13       41.97730  (12100307)
       410714.21   3774698.13       55.03049  (12100307)                410759.21
3774698.13       74.15303  (12100307)
       410804.21   3774698.13      104.84728  (12100307)                410444.21
3774743.13       18.43536  (12022717)
       410489.21   3774743.13       21.22158  (12022717)                410534.21
3774743.13       24.42255  (12022717)
       410579.21   3774743.13       28.89656  (12100307)                410624.21
3774743.13       37.88122  (12100307)
       410669.21   3774743.13       51.11843  (12100307)                410714.21
3774743.13       71.18482  (12100307)
       410759.21   3774743.13      103.86293  (12100307)                410804.21
3774743.13      168.22426  (12100307)
       410444.21   3774788.13       18.08014  (12022717)                410489.21
3774788.13       21.92252  (12022717)
       410534.21   3774788.13       26.67040  (12022717)                410579.21
3774788.13       32.45538  (12022717)
       410624.21   3774788.13       44.03768  (12100307)                410669.21
3774788.13       63.91447  (12100307)
       410714.21   3774788.13       98.17073  (12100307)                410759.21
3774788.13      166.94663  (12100307)
       410804.21   3774788.13      404.01685  (12100307)                410489.21
3774833.13       19.94188  (12022717)
       410534.21   3774833.13       26.31527  (12022717)                410579.21
3774833.13       35.47716  (12022717)
       410624.21   3774833.13       50.80094  (12100307)                410669.21
3774833.13       83.60697  (12100307)
       410714.21   3774833.13      157.34613  (12100307)                410759.21
3774833.13      420.40632  (12100307)
```

                             *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LIVEOAK ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
 , L0000027   , L0000028   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       410264.21   3774023.13   14.18348 (12021515)   410309.21
 3774023.13   15.32716 (12021515)
       410354.21   3774023.13   15.77209 (12021515)   410399.21
 3774023.13   15.88724 (12021515)
       410444.21   3774023.13   15.90027 (12021515)   410489.21
 3774023.13   15.86676 (12021515)
       410534.21   3774023.13   15.80593 (12021515)   410579.21
 3774023.13   15.67632 (12021515)
       410624.21   3774023.13   15.42366 (12042618)   410669.21
 3774023.13   15.71660 (12042618)
       410714.21   3774023.13   15.81052 (12042618)   410759.21
 3774023.13   15.80978 (12042618)
       410804.21   3774023.13   15.75778 (12042618)   410849.21
 3774023.13   15.67677 (12042618)
       410894.21   3774023.13   15.50091 (12042618)   410939.21

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3774023.13       15.05627  (12042618)
       410984.21   3774023.13       14.06242  (12042618)                411029.21
3774023.13       12.30439  (12042618)
       411074.21   3774023.13       11.35074  (14120116)                411119.21
3774023.13       10.96090  (14120116)
       411164.21   3774023.13       10.27798  (14120116)                411209.21
3774023.13       10.44159  (12031616)
       411254.21   3774023.13       11.33266  (12031616)                411299.21
3774023.13       12.12647  (12031616)
       410264.21   3774068.13       15.63359  (12021515)                410309.21
3774068.13       17.21692  (12021515)
       410354.21   3774068.13       17.80947  (12021515)                410399.21
3774068.13       17.95085  (12021515)
       410444.21   3774068.13       17.96447  (12021515)                410489.21
3774068.13       17.94781  (12021515)
       410534.21   3774068.13       17.89605  (12021515)                410579.21
3774068.13       17.81147  (12021515)
       410624.21   3774068.13       17.69154  (12042618)                410669.21
3774068.13       17.86344  (12042618)
       410714.21   3774068.13       17.88017  (12042618)                410759.21
3774068.13       17.83168  (12042618)
       410804.21   3774068.13       17.74586  (12042618)                410849.21
3774068.13       17.64307  (12042618)
       410894.21   3774068.13       17.42586  (12042618)                410939.21
3774068.13       16.85326  (12042618)
       410984.21   3774068.13       15.52562  (12042618)                411029.21
3774068.13       13.41907  (14120116)
       411074.21   3774068.13       13.05006  (14120116)                411119.21
3774068.13       12.63391  (12031616)
       411164.21   3774068.13       13.72276  (12031616)                411209.21
3774068.13       14.65478  (12031616)
       411254.21   3774068.13       15.47884  (12031616)                411299.21
3774068.13       16.10774  (12031616)
       410264.21   3774113.13       17.39201  (12021515)                410309.21
3774113.13       19.62767  (12021515)
       410354.21   3774113.13       20.41797  (12021515)                410399.21
3774113.13       20.60939  (12021515)
       410444.21   3774113.13       20.61336  (12021515)                410489.21
3774113.13       20.61209  (12021515)
       410534.21   3774113.13       20.58028  (12021515)                410579.21
3774113.13       20.50504  (12021515)
       410624.21   3774113.13       20.47816  (12042618)                410669.21
3774113.13       20.53738  (12042618)
       410714.21   3774113.13       20.49147  (12042618)                410759.21
3774113.13       20.39330  (12042618)
       410804.21   3774113.13       20.27543  (12042618)                410849.21
3774113.13       20.14191  (12042618)
       410894.21   3774113.13       19.87374  (12042618)                410939.21
3774113.13       19.12339  (12042618)
       410984.21   3774113.13       17.30904  (12042618)                411029.21
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: LIVEOAK ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
 , L0000027   , L0000028   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       410624.21   3774158.13   24.83901 (12100307)   410669.21
3774158.13   24.64821 (12100307)
       410714.21   3774158.13   24.17898 (12100307)   410759.21
3774158.13   23.80964 (12042618)
       410804.21   3774158.13   23.63644 (12042618)   410849.21
3774158.13   23.45289 (12042618)

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       410894.21   3774158.13       23.11923  (12042618)                410939.21
3774158.13       22.12057  (12042618)
       410984.21   3774158.13       21.61997  (12031616)                411029.21
3774158.13       22.84096  (12031616)
       411074.21   3774158.13       23.92552  (12031616)                411119.21
3774158.13       24.75887  (12031616)
       411164.21   3774158.13       25.40833  (12031616)                411209.21
3774158.13       25.55007  (12031616)
       411254.21   3774158.13       25.34902  (12031616)                411299.21
3774158.13       24.52586  (12031616)
       410264.21   3774203.13       22.14581  (12021515)                410309.21
3774203.13       27.30862  (12021515)
       410354.21   3774203.13       28.95854  (12021515)                410399.21
3774203.13       29.20687  (12021515)
       410444.21   3774203.13       29.23227  (12021515)                410489.21
3774203.13       30.16255  (12100307)
       410534.21   3774203.13       31.02483  (12100307)                410579.21
3774203.13       31.47038  (12100307)
       410624.21   3774203.13       31.53853  (12100307)                410669.21
3774203.13       31.27112  (12100307)
       410714.21   3774203.13       30.65733  (12100307)                410759.21
3774203.13       29.66480  (12100307)
       410804.21   3774203.13       28.33354  (12042618)                410849.21
3774203.13       28.07719  (12042618)
       410894.21   3774203.13       28.57665  (12031616)                410939.21
3774203.13       30.13259  (12031616)
       410984.21   3774203.13       31.23240  (12031616)                411029.21
3774203.13       32.12071  (12031616)
       411074.21   3774203.13       32.68963  (12031616)                411119.21
3774203.13       32.98031  (12031616)
       411164.21   3774203.13       32.68897  (12031616)                411209.21
3774203.13       31.56246  (12031616)
       411254.21   3774203.13       29.87613  (12031616)                411299.21
3774203.13       27.33743  (12031616)
       410264.21   3774248.13       25.49441  (12021515)                410309.21
3774248.13       34.03995  (12021515)
       410354.21   3774248.13       36.57024  (12021515)                410399.21
3774248.13       36.87930  (12021515)
       410444.21   3774248.13       38.46611  (12100307)                410489.21
3774248.13       40.14257  (12100307)
       410534.21   3774248.13       41.16649  (12100307)                410579.21
3774248.13       41.66060  (12100307)
       410624.21   3774248.13       41.70822  (12100307)                410669.21
3774248.13       41.30374  (12100307)
       410714.21   3774248.13       40.44355  (12100307)                410759.21
3774248.13       39.12519  (12100307)
       410804.21   3774248.13       39.28122  (12031616)                410849.21
3774248.13       41.43767  (12031616)
       410894.21   3774248.13       42.71659  (12031616)                410939.21
3774248.13       43.49926  (12031616)
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       410984.21   3774248.13       43.91217  (12031616)                411029.21
 3774248.13       44.07950  (12031616)
       411074.21   3774248.13       43.86419  (12031616)                411119.21
 3774248.13       42.67122  (12031616)
       411164.21   3774248.13       40.16820  (12031616)                411209.21
 3774248.13       36.07786  (12031616)
       411254.21   3774248.13       31.94931  (12031616)                411299.21
 3774248.13       27.31680  (12031616)
       410264.21   3774293.13       30.77122  (12100307)                410309.21
 3774293.13       45.60439  (12021515)
       410354.21   3774293.13       49.55169  (12021515)                410399.21
 3774293.13       51.78860  (12100307)
       410444.21   3774293.13       55.20911  (12100307)                410489.21
 3774293.13       57.25350  (12100307)
       410534.21   3774293.13       58.30786  (12100307)                410579.21
 3774293.13       58.71622  (12100307)
       410624.21   3774293.13       58.59355  (12100307)                410669.21
 3774293.13       57.95904  (12100307)
       410714.21   3774293.13       58.93260  (12031616)                410759.21
 3774293.13       61.92773  (12031616)
       410804.21   3774293.13       62.92712  (12031616)                410849.21
 3774293.13       64.12236  (12031616)
       410894.21   3774293.13       64.24096  (12031616)                410939.21
 3774293.13       63.50114  (12031616)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE 197
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  LIVEOAK  ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
```

Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410984.21   3774293.13   62.14437 (12031616)   411029.21
 3774293.13   61.22814 (12031616)
        411074.21   3774293.13   57.96834 (12031616)   411119.21
 3774293.13   51.88096 (12031616)
        411164.21   3774293.13   44.44506 (12031616)   411209.21
 3774293.13   36.26568 (12031616)
        411254.21   3774293.13   29.32797 (12031616)   411299.21
 3774293.13   23.12315 (12031616)
        410264.21   3774338.13   51.43960 (12022717)   410309.21
 3774338.13   71.43109 (12021515)
        410354.21   3774338.13   78.33227 (12100307)   410399.21
 3774338.13   86.67093 (12100307)
        410444.21   3774338.13   90.81711 (12100307)   410489.21
 3774338.13   92.72681 (12100307)
        410534.21   3774338.13   93.29099 (12100307)   410579.21
 3774338.13   97.07042 (12031616)
        410624.21   3774338.13   100.78296 (12031616)   410669.21
 3774338.13   102.83634 (12031616)
        410714.21   3774338.13   103.97126 (12031616)   410759.21
 3774338.13   104.34953 (12031616)
        410804.21   3774338.13   107.69058 (12031616)   410849.21
 3774338.13   106.71177 (12031616)
        410894.21   3774338.13   104.51441 (12031616)   410939.21
 3774338.13   101.07079 (12031616)
        410984.21   3774338.13   94.28203 (12031616)   411029.21
 3774338.13   86.82538 (12031616)
        411074.21   3774338.13   70.59509 (12031616)   411119.21
 3774338.13   53.68513 (12031616)
        411164.21   3774338.13   39.84767 (12031616)   411209.21
 3774338.13   29.04247 (12031616)
        411254.21   3774338.13   21.18991 (12031616)   411299.21
 3774338.13   15.94777 (16012717)
        410264.21   3774383.13   99.09141 (12022717)   410309.21
 3774383.13   181.25613 (12021515)
        410354.21   3774383.13   214.64507 (12100307)   410399.21
 3774383.13   233.63038 (12031616)
        410444.21   3774383.13   247.05430 (12031616)   410489.21
 3774383.13   248.11108 (12031616)
        410534.21   3774383.13   247.17496 (12031616)   410579.21
 3774383.13   244.45547 (12031616)
        410624.21   3774383.13   243.44182 (12031616)   410669.21
 3774383.13   236.20640 (12031616)
        410714.21   3774383.13   231.99062 (12031616)   410759.21
 3774383.13   225.52705 (12031616)
        410804.21   3774383.13   223.43266 (12031616)   410849.21
 3774383.13   225.92711 (12031616)
        410894.21   3774383.13   212.38204 (12031616)   410939.21

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 3774383.13      200.22935  (12031616)
       410984.21   3774383.13      169.65670  (12031616)                411029.21
 3774383.13      106.99832  (12031616)
       411074.21   3774383.13       62.71203  (12031616)                411119.21
 3774383.13       38.47607  (12031616)
       411164.21   3774383.13       27.92073  (16020317)                411209.21
 3774383.13       22.89122  (16020317)
       411254.21   3774383.13       19.12559  (16020317)                411299.21
 3774383.13       16.25083  (16020317)
       410264.21   3774428.13       64.74201  (12100307)                410309.21
 3774428.13      177.80880  (12100307)
       410354.21   3774428.13      238.01017  (12100307)                410399.21
 3774428.13      283.14501  (12121716)
       410444.21   3774428.13      314.69060  (12121716)                410489.21
 3774428.13      341.05877  (12121716)
       410534.21   3774428.13      366.28949  (12121716)                410579.21
 3774428.13      387.22567  (12121716)
       410264.21   3774473.13       43.50259  (12100307)                410309.21
 3774473.13       64.61796  (12100307)
       410354.21   3774473.13       82.55720  (12100307)                410399.21
 3774473.13       93.57234  (12100307)
       410444.21   3774473.13      100.54833  (12100307)                410489.21
 3774473.13      105.36861  (12100307)
       410534.21   3774473.13      112.05024  (12121716)                410579.21
 3774473.13      123.06616  (12121716)
       410264.21   3774518.13       31.54738  (12100307)                410309.21
 3774518.13       40.34828  (12100307)
       410354.21   3774518.13       48.55516  (12100307)                410399.21
 3774518.13       54.86145  (12100307)
       410444.21   3774518.13       59.34766  (12100307)                410489.21
 3774518.13       62.54972  (12100307)
       410534.21   3774518.13       64.79109  (12100307)                410579.21
 3774518.13       66.36105  (12100307)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 198
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  LIVEOAK  ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
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, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774563.13	24.47551	(12100307)	410309.21	3774563.13	29.30187	(12100307)
410354.21	3774563.13	33.92358	(12100307)	410399.21	3774563.13	37.83760	(12100307)
410444.21	3774563.13	40.89383	(12100307)	410489.21	3774563.13	43.17282	(12100307)
410534.21	3774563.13	44.80539	(12100307)	410579.21	3774563.13	45.89685	(12100307)
410264.21	3774608.13	19.81854	(12100307)	410309.21	3774608.13	22.84573	(12100307)
410354.21	3774608.13	25.76894	(12100307)	410399.21	3774608.13	28.35579	(12100307)
410444.21	3774608.13	30.48498	(12100307)	410489.21	3774608.13	32.14407	(12100307)
410534.21	3774608.13	33.35312	(12100307)	410579.21	3774608.13	34.16250	(12100307)
410624.21	3774608.13	34.58813	(12100307)	410759.21	3774608.13	33.50561	(12100307)
410804.21	3774608.13	32.21862	(12100307)	410354.21	3774653.13	20.55194	(12100307)
410399.21	3774653.13	22.34941	(12100307)	410444.21	3774653.13	23.87557	(12100307)
410489.21	3774653.13	25.09532	(12100307)	410534.21	3774653.13	26.00415	(12100307)
410579.21	3774653.13	26.60586	(12100307)	410624.21	3774653.13	26.90728	(12100307)
410669.21	3774653.13	26.90749	(12100307)	410714.21	3774653.13	26.60128	(12100307)
410759.21	3774653.13	25.96236	(12100307)	410804.21	3774653.13	24.96880	(12100307)
410354.21	3774698.13	16.92182	(12100307)	410399.21	3774698.13	18.21513	(12100307)
410444.21	3774698.13	19.33251	(12100307)	410489.21	3774698.13	20.24173	(12100307)
410534.21	3774698.13	20.92618	(12100307)	410579.21	3774698.13	21.37999	(12100307)
410624.21	3774698.13	21.60043	(12100307)	410669.21	3774698.13	21.58487	(12100307)

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       410714.21   3774698.13       21.32722  (12100307)                410759.21
 3774698.13       20.81839  (12100307)
       410804.21   3774698.13       20.05551  (12100307)                410444.21
 3774743.13       16.04291  (12100307)
       410489.21   3774743.13       16.72868  (12100307)                410534.21
 3774743.13       17.24862  (12100307)
       410579.21   3774743.13       17.59313  (12100307)                410624.21
 3774743.13       17.75657  (12100307)
       410669.21   3774743.13       17.73542  (12100307)                410714.21
 3774743.13       17.52712  (12100307)
       410759.21   3774743.13       17.12925  (12100307)                410804.21
 3774743.13       16.54260  (12100307)
       410444.21   3774788.13       13.56638  (12100307)                410489.21
 3774788.13       14.09011  (12100307)
       410534.21   3774788.13       14.48850  (12100307)                410579.21
 3774788.13       14.75221  (12100307)
       410624.21   3774788.13       14.87513  (12100307)                410669.21
 3774788.13       14.85348  (12100307)
       410714.21   3774788.13       14.68654  (12100307)                410759.21
 3774788.13       14.37450  (12100307)
       410804.21   3774788.13       13.91883  (12100307)                410489.21
 3774833.13       12.05054  (12100307)
       410534.21   3774833.13       12.35874  (12100307)                410579.21
 3774833.13       12.56250  (12100307)
       410624.21   3774833.13       12.65607  (12100307)                410669.21
 3774833.13       12.63646  (12100307)
       410714.21   3774833.13       12.50251  (12100307)                410759.21
 3774833.13       12.25528  (12100307)
       410489.21   3774878.13       10.43826  (12100307)                410534.21
 3774878.13       10.67857  (12100307)
       410579.21   3774878.13       10.83728  (12100307)                410624.21
 3774878.13       10.90928  (12100307)
       410669.21   3774878.13       10.89221  (12100307)                410714.21
 3774878.13       10.78222  (12100307)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:09

                                  PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  STEWARTR ***
                                  INCLUDING SOURCE(S):     L0000049    , L0000050
 , L0000051    , L0000052    , L0000053    ,
                 L0000054    , L0000055    , L0000056    , L0000057    , L0000058
 , L0000059    , L0000060    , L0000061    ,
                 L0000062    , L0000063    , L0000064    , L0000065    , L0000066
 , L0000067    , L0000068    , L0000069    ,
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                 L0000070    , L0000071    , L0000072    , L0000073    , L0000074
 , L0000075    , L0000076    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410264.21   3774023.13        6.87182  (12021515)               410309.21
 3774023.13       10.99286  (12021515)
        410354.21   3774023.13       15.76699  (12021515)               410399.21
 3774023.13       20.02235  (12021515)
        410444.21   3774023.13       22.28326  (12021515)               410489.21
 3774023.13       21.58110  (12021515)
        410534.21   3774023.13       18.22516  (12021515)               410579.21
 3774023.13       13.57860  (12021515)
        410624.21   3774023.13       12.50801  (15122816)               410669.21
 3774023.13       14.15028  (12101116)
        410714.21   3774023.13       14.29130  (12101116)               410759.21
 3774023.13       15.87787  (12042618)
        410804.21   3774023.13       16.90665  (12042618)               410849.21
 3774023.13       16.62863  (12042618)
        410894.21   3774023.13       15.46100  (12042618)               410939.21
 3774023.13       13.80256  (12042618)
        410984.21   3774023.13       11.90946  (12042618)               411029.21
 3774023.13        9.92788  (12042618)
        411074.21   3774023.13        7.96541  (12042618)               411119.21
 3774023.13        7.33141  (14120116)
        411164.21   3774023.13        7.22500  (14120116)               411209.21
 3774023.13        6.97581  (14120116)
        411254.21   3774023.13        6.61088  (14120116)               411299.21
 3774023.13        6.15782  (14120116)
        410264.21   3774068.13        7.36589  (12021517)               410309.21
 3774068.13        9.93996  (12021515)
        410354.21   3774068.13       15.39436  (12021515)               410399.21
 3774068.13       20.98657  (12021515)
        410444.21   3774068.13       24.82459  (12021515)               410489.21
 3774068.13       25.21754  (12021515)
        410534.21   3774068.13       21.94395  (12021515)               410579.21
 3774068.13       16.57963  (12021515)
        410624.21   3774068.13       14.35443  (12101116)               410669.21
 3774068.13       16.13951  (12101116)
        410714.21   3774068.13       16.32481  (12042618)               410759.21
 3774068.13       18.60037  (12042618)
        410804.21   3774068.13       19.00827  (12042618)               410849.21
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3774068.13 18.05291 (12042618)
  410894.21 3774068.13 16.34031 (12042618) 410939.21
3774068.13 14.29601 (12042618)
  410984.21 3774068.13 12.12087 (12042618) 411029.21
3774068.13 9.91664 (12042618)
  411074.21 3774068.13 8.46162 (14120116) 411119.21
3774068.13 8.31214 (14120116)
  411164.21 3774068.13 7.99413 (14120116) 411209.21
3774068.13 7.54824 (14120116)
  411254.21 3774068.13 7.00236 (14120116) 411299.21
3774068.13 6.51007 (12012517)
  410264.21 3774113.13 8.03676 (12021517) 410309.21
3774113.13 8.69909 (12021517)
  410354.21 3774113.13 14.47690 (12021515) 410399.21
3774113.13 21.47427 (12021515)
  410444.21 3774113.13 27.34586 (12021515) 410489.21
3774113.13 29.46891 (12021515)
  410534.21 3774113.13 26.64202 (12021515) 410579.21
3774113.13 20.43711 (12021515)
  410624.21 3774113.13 16.85357 (12101116) 410669.21
3774113.13 18.56200 (12101116)
  410714.21 3774113.13 19.97268 (12042618) 410759.21
3774113.13 21.66273 (12042618)
  410804.21 3774113.13 21.15692 (12042618) 410849.21
3774113.13 19.40028 (12042618)
  410894.21 3774113.13 17.14336 (12042618) 410939.21
3774113.13 14.74074 (12042618)
  410984.21 3774113.13 12.29281 (12042618) 411029.21
3774113.13 9.87115 (14120116)
  411074.21 3774113.13 9.64800 (14120116) 411119.21
3774113.13 9.23575 (14120116)
  411164.21 3774113.13 8.67533 (14120116) 411209.21
3774113.13 8.01481 (14120116)
  411254.21 3774113.13 7.37552 (12012517) 411299.21
3774113.13 6.95061 (12012517)
  410264.21 3774158.13 8.28516 (12100307) 410309.21
3774158.13 9.74344 (12021517)
  410354.21 3774158.13 12.97524 (12021515) 410399.21
3774158.13 21.22779 (12021515)
  410444.21 3774158.13 29.62394 (12021515) 410489.21
3774158.13 34.37723 (12021515)
  410534.21 3774158.13 32.63748 (12021515) 410579.21
3774158.13 25.50509 (12021515)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: STEWARTR ***
INCLUDING SOURCE(S): L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410624.21	3774158.13	20.15002	(12101116)	410669.21	3774158.13	21.55924	(12101116)
410714.21	3774158.13	24.44083	(12042618)	410759.21	3774158.13	25.00921	(12042618)
410804.21	3774158.13	23.25835	(12042618)	410849.21	3774158.13	20.64334	(12042618)
410894.21	3774158.13	17.89580	(12042618)	410939.21	3774158.13	15.16818	(12042618)
410984.21	3774158.13	12.43456	(12042618)	411029.21	3774158.13	11.32481	(14120116)
411074.21	3774158.13	10.76526	(14120116)	411119.21	3774158.13	10.05586	(14120116)
411164.21	3774158.13	9.23480	(14120116)	411209.21	3774158.13	8.39905	(12012517)
411254.21	3774158.13	8.59356	(12031616)	411299.21	3774158.13	9.09217	(12031616)
410264.21	3774203.13	9.13932	(12100307)	410309.21	3774203.13	10.22976	(12021517)
410354.21	3774203.13	12.04297	(12021517)	410399.21	3774203.13	20.00916	(12021515)
410444.21	3774203.13	31.21825	(12021515)	410489.21	3774203.13	39.90148	(12021515)
410534.21	3774203.13	40.48617	(12021515)	410579.21	3774203.13	32.39977	(12021515)
410624.21	3774203.13	24.61147	(12101116)	410669.21	3774203.13	26.66643	(12042618)
410714.21	3774203.13	29.80277	(12042618)	410759.21	3774203.13	28.46428	(12042618)

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       410804.21   3774203.13       25.21084  (12042618)                410849.21
3774203.13       21.81198  (12042618)
       410894.21   3774203.13       18.66150  (12042618)                410939.21
3774203.13       15.61182  (12042618)
       410984.21   3774203.13       13.47630  (14120116)                411029.21
3774203.13       12.68937  (14120116)
       411074.21   3774203.13       11.76332  (14120116)                411119.21
3774203.13       10.73642  (14120116)
       411164.21   3774203.13       10.67910  (12031616)                411209.21
3774203.13       11.20740  (12031616)
       411254.21   3774203.13       11.61035  (12031616)                411299.21
3774203.13       11.85201  (12031616)
       410264.21   3774248.13       10.08826  (12100307)                410309.21
3774248.13       11.37367  (12100307)
       410354.21   3774248.13       12.97627  (12021517)                410399.21
3774248.13       17.61437  (12021515)
       410444.21   3774248.13       31.48906  (12021515)                410489.21
3774248.13       45.72505  (12021515)
       410534.21   3774248.13       51.00970  (12021515)                410579.21
3774248.13       42.26491  (12021515)
       410624.21   3774248.13       31.01553  (12101116)                410669.21
3774248.13       35.38900  (12042618)
       410714.21   3774248.13       35.93924  (12042618)                410759.21
3774248.13       31.75208  (12042618)
       410804.21   3774248.13       26.96458  (12042618)                410849.21
3774248.13       22.99803  (12042618)
       410894.21   3774248.13       19.52506  (12042618)                410939.21
3774248.13       16.31474  (14120116)
       410984.21   3774248.13       15.16153  (14120116)                411029.21
3774248.13       13.91715  (14120116)
       411074.21   3774248.13       13.68098  (12031616)                411119.21
3774248.13       14.19901  (12031616)
       411164.21   3774248.13       14.52156  (12031616)                411209.21
3774248.13       14.62391  (12031616)
       411254.21   3774248.13       14.66732  (12031616)                411299.21
3774248.13       14.54654  (12031616)
       410264.21   3774293.13       11.10541  (12100307)                410309.21
3774293.13       12.72968  (12100307)
       410354.21   3774293.13       14.68776  (12100307)                410399.21
3774293.13       17.03591  (12021517)
       410444.21   3774293.13       29.60583  (12021515)                410489.21
3774293.13       50.85978  (12021515)
       410534.21   3774293.13       65.45886  (12021515)                410579.21
3774293.13       57.57981  (12021515)
       410624.21   3774293.13       40.70709  (12101116)                410669.21
3774293.13       47.32252  (12042618)
       410714.21   3774293.13       42.26987  (12042618)                410759.21
3774293.13       34.53204  (12042618)
       410804.21   3774293.13       28.66458  (12042618)                410849.21
3774293.13       24.39511  (12042618)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: STEWARTR ***
                                  INCLUDING SOURCE(S):   L0000049   , L0000050
 , L0000051   , L0000052   , L0000053   ,
                 L0000054   , L0000055   , L0000056   , L0000057   , L0000058
 , L0000059   , L0000060   , L0000061   ,
                 L0000062   , L0000063   , L0000064   , L0000065   , L0000066
 , L0000067   , L0000068   , L0000069   ,
                 L0000070   , L0000071   , L0000072   , L0000073   , L0000074
 , L0000075   , L0000076   , . . .   ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410984.21   3774293.13   18.24705 (12031616)   411029.21
 3774293.13   18.61139 (12031616)
        411074.21   3774293.13   18.65793 (12031616)   411119.21
 3774293.13   18.53613 (12031616)
        411164.21   3774293.13   18.30923 (12031616)   411209.21
 3774293.13   17.90826 (12031616)
        411254.21   3774293.13   17.48094 (12031616)   411299.21
 3774293.13   16.93736 (12031616)
        410264.21   3774338.13   12.15589 (12100307)   410309.21
 3774338.13   14.18783 (12100307)
        410354.21   3774338.13   16.74655 (12100307)   410399.21
 3774338.13   20.01715 (12100307)
        410444.21   3774338.13   24.97998 (12021515)   410489.21
 3774338.13   52.80897 (12021515)
        410534.21   3774338.13   84.95057 (12021515)   410579.21
 3774338.13   84.84287 (12021515)
        410624.21   3774338.13   63.48964 (12042618)   410669.21
 3774338.13   62.45114 (12042618)
        410714.21   3774338.13   47.57065 (12042618)   410759.21

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3774338.13       36.83203  (12042618)
       410804.21   3774338.13       30.61532  (12042618)                410849.21
3774338.13       26.74262  (12031616)
       410894.21   3774338.13       26.53451  (12031616)                410939.21
3774338.13       25.92995  (12031616)
       410984.21   3774338.13       24.87837  (12031616)                411029.21
3774338.13       24.21938  (12031616)
       411074.21   3774338.13       23.39865  (12031616)                411119.21
3774338.13       22.56338  (12031616)
       411164.21   3774338.13       21.70376  (12031616)                411209.21
3774338.13       20.78164  (12031616)
       411254.21   3774338.13       19.84948  (12031616)                411299.21
3774338.13       18.84373  (12031616)
       410264.21   3774383.13       16.03597  (12022717)                410309.21
3774383.13       16.70509  (12022717)
       410354.21   3774383.13       18.92220  (12100307)                410399.21
3774383.13       23.38351  (12100307)
       410444.21   3774383.13       29.70168  (12100307)                410489.21
3774383.13       47.98205  (12021515)
       410534.21   3774383.13      106.14413  (12021515)                410579.21
3774383.13      148.41297  (12021515)
       410624.21   3774383.13      114.07088  (12042618)                410669.21
3774383.13       76.79205  (12042618)
       410714.21   3774383.13       50.77844  (12042618)                410759.21
3774383.13       45.13879  (12031616)
       410804.21   3774383.13       41.98082  (12031616)                410849.21
3774383.13       38.80773  (12031616)
       410894.21   3774383.13       35.51071  (12031616)                410939.21
3774383.13       33.08952  (12031616)
       410984.21   3774383.13       30.68678  (12031616)                411029.21
3774383.13       29.28414  (12031616)
       411074.21   3774383.13       27.64584  (12031616)                411119.21
3774383.13       26.09461  (12031616)
       411164.21   3774383.13       24.63247  (12031616)                411209.21
3774383.13       23.16087  (12031616)
       411254.21   3774383.13       21.66884  (12031616)                411299.21
3774383.13       20.16012  (12031616)
       410264.21   3774428.13       21.31387  (12022717)                410309.21
3774428.13       23.51993  (12022717)
       410354.21   3774428.13       26.08151  (12022717)                410399.21
3774428.13       29.27043  (12022717)
       410444.21   3774428.13       35.73082  (12100307)                410489.21
3774428.13       51.17669  (12100307)
       410534.21   3774428.13      106.91624  (12021515)                410579.21
3774428.13      383.64076  (12021515)
       410264.21   3774473.13       24.55693  (12022717)                410309.21
3774473.13       28.29257  (12022717)
       410354.21   3774473.13       32.91720  (12022717)                410399.21
3774473.13       38.84309  (12022717)
       410444.21   3774473.13       47.04225  (12022717)                410489.21
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 3774473.13       62.51603  (12100307)
       410534.21   3774473.13      115.69072  (12100307)                410579.21
 3774473.13      422.45193  (12100307)
       410264.21   3774518.13       24.63409  (12022717)                410309.21
 3774518.13       29.36335  (12022717)
       410354.21   3774518.13       35.50982  (12022717)                410399.21
 3774518.13       43.81602  (12022717)
       410444.21   3774518.13       55.58387  (12022717)                410489.21
 3774518.13       73.54402  (12022717)
       410534.21   3774518.13      130.12387  (12100307)                410579.21
 3774518.13      431.65041  (12100307)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 202
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  STEWARTR ***
                                INCLUDING SOURCE(S):     L0000049    , L0000050
 , L0000051    , L0000052    , L0000053    ,
                 L0000054    , L0000055    , L0000056    , L0000057    , L0000058
 , L0000059    , L0000060    , L0000061    ,
                 L0000062    , L0000063    , L0000064    , L0000065    , L0000066
 , L0000067    , L0000068    , L0000069    ,
                 L0000070    , L0000071    , L0000072    , L0000073    , L0000074
 , L0000075    , L0000076    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410264.21   3774563.13       21.41586  (12022717)                410309.21
 3774563.13       26.04538  (12022717)
       410354.21   3774563.13       32.33767  (12022717)                410399.21
 3774563.13       41.30720  (12022717)
       410444.21   3774563.13       55.06527  (12022717)                410489.21
 3774563.13       78.72806  (12022717)
       410534.21   3774563.13      129.01172  (12022717)                410579.21
 3774563.13      418.60480  (12100307)
       410264.21   3774608.13       16.12738  (12022717)                410309.21
 3774608.13       19.67910  (12022717)
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       410354.21   3774608.13       24.50093  (12022717)                410399.21
3774608.13       31.32807  (12022717)
       410444.21   3774608.13       42.60576  (12100307)                410489.21
3774608.13       63.39600  (12100307)
       410534.21   3774608.13      108.98133  (12100307)                410579.21
3774608.13      280.72900  (12100307)
       410624.21   3774608.13      385.95603  (12121716)                410759.21
3774608.13      206.53965  (12031616)
       410804.21   3774608.13      142.90709  (12031616)                410354.21
3774653.13       22.56585  (12100307)
       410399.21   3774653.13       28.84216  (12100307)                410444.21
3774653.13       38.32008  (12100307)
       410489.21   3774653.13       53.56772  (12100307)                410534.21
3774653.13       80.07896  (12100307)
       410579.21   3774653.13      127.65340  (12100307)                410624.21
3774653.13      191.49439  (12100307)
       410669.21   3774653.13      275.41976  (12100307)                410714.21
3774653.13      457.13458  (12121716)
       410759.21   3774653.13      398.30944  (12043018)                410804.21
3774653.13      212.29005  (12043018)
       410354.21   3774698.13       20.96284  (12100307)                410399.21
3774698.13       26.13694  (12100307)
       410444.21   3774698.13       33.40817  (12100307)                410489.21
3774698.13       43.86497  (12100307)
       410534.21   3774698.13       58.96238  (12100307)                410579.21
3774698.13       79.59962  (12100307)
       410624.21   3774698.13      105.20314  (12100307)                410669.21
3774698.13      142.00297  (12100307)
       410714.21   3774698.13      233.20968  (12100307)                410759.21
3774698.13      339.89776  (12121716)
       410804.21   3774698.13      412.18416  (12121716)                410444.21
3774743.13       28.71735  (12100307)
       410489.21   3774743.13       35.88220  (12100307)                410534.21
3774743.13       45.16525  (12100307)
       410579.21   3774743.13       56.74510  (12100307)                410624.21
3774743.13       70.93300  (12100307)
       410669.21   3774743.13       90.36645  (12100307)                410714.21
3774743.13      124.55434  (12100307)
       410759.21   3774743.13      209.51739  (12100307)                410804.21
3774743.13      354.68272  (12121716)
       410444.21   3774788.13       24.59981  (12100307)                410489.21
3774788.13       29.60617  (12100307)
       410534.21   3774788.13       35.68878  (12100307)                410579.21
3774788.13       42.90992  (12100307)
       410624.21   3774788.13       51.47171  (12100307)                410669.21
3774788.13       62.22680  (12100307)
       410714.21   3774788.13       77.47276  (12100307)                410759.21
3774788.13      102.43024  (12100307)
       410804.21   3774788.13      149.84219  (12100307)                410489.21
3774833.13       24.67085  (12100307)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000141 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774023.13	7.10124	(12021517)	410309.21	3774023.13	7.66724	(12021517)
410354.21	3774023.13	9.96367	(12021515)	410399.21	3774023.13	15.79954	(12021515)
410444.21	3774023.13	22.08071	(12021515)	410489.21	3774023.13	26.78665	(12021515)
410534.21	3774023.13	27.81327	(12021515)	410579.21	3774023.13	24.32083	(12021515)
410624.21	3774023.13	17.60950	(12021515)	410669.21	3774023.13	16.89954	(15122816)
410714.21	3774023.13	19.03844	(12101116)	410759.21	3774023.13	21.00195	(12101116)
410804.21	3774023.13	21.30683	(12042618)	410849.21	3774023.13	25.55044	(12042618)
410534.21	3774833.13	28.80573	(12100307)	410579.21	3774833.13	33.50519	(12100307)
410624.21	3774833.13	38.80019	(12100307)	410669.21	3774833.13	44.82737	(12100307)
410714.21	3774833.13	51.84965	(12100307)	410759.21	3774833.13	59.59058	(12100307)
410489.21	3774878.13	20.74763	(12100307)	410534.21	3774878.13	23.61878	(12100307)
410579.21	3774878.13	26.74001	(12100307)	410624.21	3774878.13	30.05252	(12100307)
410669.21	3774878.13	33.45855	(12100307)	410714.21	3774878.13	36.75351	(12100307)

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       410894.21   3774023.13       26.25779  (12042618)               410939.21
3774023.13       23.46637  (12042618)
       410984.21   3774023.13       18.48675  (12042618)               411029.21
3774023.13       13.00156  (12042618)
       411074.21   3774023.13       10.37286  (14120116)               411119.21
3774023.13       11.01641  (14120116)
       411164.21   3774023.13       11.05436  (14120116)               411209.21
3774023.13       10.58166  (14120116)
       411254.21   3774023.13        9.73685  (14120116)               411299.21
3774023.13        8.84583  (12012517)
       410264.21   3774068.13        7.24426  (12021517)               410309.21
3774068.13        8.43799  (12021517)
       410354.21   3774068.13        8.98050  (12021517)               410399.21
3774068.13       14.53761  (12021515)
       410444.21   3774068.13       22.09922  (12021515)               410489.21
3774068.13       28.98341  (12021515)
       410534.21   3774068.13       32.20483  (12021515)               410579.21
3774068.13       29.77890  (12021515)
       410624.21   3774068.13       22.43562  (12021515)               410669.21
3774068.13       19.40407  (15122816)
       410714.21   3774068.13       22.17427  (12101116)               410759.21
3774068.13       24.16563  (12101116)
       410804.21   3774068.13       26.27032  (12042618)               410849.21
3774068.13       30.21238  (12042618)
       410894.21   3774068.13       29.40709  (12042618)               410939.21
3774068.13       24.65498  (12042618)
       410984.21   3774068.13       18.09066  (12042618)               411029.21
3774068.13       12.09922  (14120116)
       411074.21   3774068.13       13.03784  (14120116)               411119.21
3774068.13       13.15346  (14120116)
       411164.21   3774068.13       12.56218  (14120116)               411209.21
3774068.13       11.47983  (14120116)
       411254.21   3774068.13       10.33811  (12012517)               411299.21
3774068.13        9.69613  (12012517)
       410264.21   3774113.13        7.59833  (12100307)               410309.21
3774113.13        8.76053  (12021517)
       410354.21   3774113.13       10.15283  (12021517)               410399.21
3774113.13       12.70657  (12021515)
       410444.21   3774113.13       21.27838  (12021515)               410489.21
3774113.13       30.57859  (12021515)
       410534.21   3774113.13       36.86686  (12021515)               410579.21
3774113.13       36.44529  (12021515)
       410624.21   3774113.13       28.82607  (12021515)               410669.21
3774113.13       22.54585  (15122816)
       410714.21   3774113.13       26.16834  (12101116)               410759.21
3774113.13       28.07943  (12101116)
       410804.21   3774113.13       32.56645  (12042618)               410849.21
3774113.13       35.57904  (12042618)
       410894.21   3774113.13       32.43609  (12042618)               410939.21
3774113.13       25.20557  (12042618)
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       411074.21   3774158.13       18.57027  (14120116)                411119.21
3774158.13       16.66060  (14120116)
       411164.21   3774158.13       14.65229  (12012517)                411209.21
3774158.13       13.27493  (12012517)
       411254.21   3774158.13       11.71548  (12012517)                411299.21
3774158.13       12.46220  (12031616)
       410264.21   3774203.13        9.00512  (12100307)                410309.21
3774203.13       10.03172  (12100307)
       410354.21   3774203.13       11.18341  (12100307)                410399.21
3774203.13       13.54733  (12021517)
       410444.21   3774203.13       16.62260  (12021515)                410489.21
3774203.13       30.22464  (12021515)
       410534.21   3774203.13       45.25313  (12021515)                410579.21
3774203.13       53.81075  (12021515)
       410624.21   3774203.13       48.89840  (12021515)                410669.21
3774203.13       32.57425  (12021515)
       410714.21   3774203.13       38.37638  (12101116)                410759.21
3774203.13       41.76856  (12042618)
       410804.21   3774203.13       50.70738  (12042618)                410849.21
3774203.13       47.94131  (12042618)
       410894.21   3774203.13       36.55061  (12042618)                410939.21
3774203.13       23.63198  (14120116)
       410984.21   3774203.13       24.55682  (14120116)                411029.21
3774203.13       23.30470  (14120116)
       411074.21   3774203.13       20.64502  (14120116)                411119.21
3774203.13       17.85385  (12012517)
       411164.21   3774203.13       15.88643  (12012517)                411209.21
3774203.13       15.38409  (12031616)
       411254.21   3774203.13       17.80471  (12031616)                411299.21
3774203.13       19.67048  (12031616)
       410264.21   3774248.13        9.78150  (12100307)                410309.21
3774248.13       11.02041  (12100307)
       410354.21   3774248.13       12.46251  (12100307)                410399.21
3774248.13       14.12149  (12100307)
       410444.21   3774248.13       17.50305  (12021517)                410489.21
3774248.13       27.33318  (12021515)
       410534.21   3774248.13       47.36345  (12021515)                410579.21
3774248.13       64.13052  (12021515)
       410624.21   3774248.13       64.56822  (12021515)                410669.21
3774248.13       45.65027  (12021515)
       410714.21   3774248.13       48.18234  (12101116)                410759.21
3774248.13       56.23621  (12042618)
       410804.21   3774248.13       63.37841  (12042618)                410849.21
3774248.13       53.96255  (12042618)
       410894.21   3774248.13       36.32627  (12042618)                410939.21
3774248.13       31.81084  (14120116)
       410984.21   3774248.13       30.11523  (14120116)                411029.21
3774248.13       26.23938  (14120116)
       411074.21   3774248.13       22.21817  (12012517)                411119.21
3774248.13       19.27816  (12012517)
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411164.21   3774248.13   22.81578 (12031616)   411209.21
3774248.13   25.40952 (12031616)
411254.21   3774248.13   27.02957 (12031616)   411299.21
3774248.13   27.45492 (12031616)
410264.21   3774293.13   10.57966 (12100307)   410309.21
3774293.13   12.06966 (12100307)
410354.21   3774293.13   13.85569 (12100307)   410399.21
3774293.13   15.99305 (12100307)
410444.21   3774293.13   18.52385 (12100307)   410489.21
3774293.13   23.42593 (12021517)
410534.21   3774293.13   46.38618 (12021515)   410579.21
3774293.13   74.33280 (12021515)
410624.21   3774293.13   85.82735 (12021515)   410669.21
3774293.13   66.00730 (12021515)
410714.21   3774293.13   62.58307 (12101116)   410759.21
3774293.13   77.42727 (12042618)
410804.21   3774293.13   78.81594 (12042618)   410849.21
3774293.13   58.33834 (12042618)
410894.21   3774293.13   42.74005 (14120116)   410939.21
3774293.13   40.41427 (14120116)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE   ***
INCLUDING SOURCE(S):   L0000130   , L0000131   , L0000132   , L0000133   , L0000134   ,
L0000141   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
- -

410984.21   3774293.13   34.45574 (14120116)   411029.21
3774293.13   28.39022 (12012517)
411074.21   3774293.13   30.18520 (12031616)   411119.21
3774293.13   34.13572 (12031616)
411164.21   3774293.13   36.33482 (12031616)   411209.21
3774293.13   36.47281 (12031616)

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       411254.21   3774293.13       35.46930  (12031616)                411299.21
3774293.13       33.18974  (12031616)
       410264.21   3774338.13       15.26625  (12022717)                410309.21
3774338.13       14.73107  (12022717)
       410354.21   3774338.13       15.32753  (12100307)                410399.21
3774338.13       18.04758  (12100307)
       410444.21   3774338.13       21.43523  (12100307)                410489.21
3774338.13       25.60866  (12100307)
       410534.21   3774338.13       40.76390  (12021515)                410579.21
3774338.13       81.69566  (12021515)
       410624.21   3774338.13      114.21696  (12021515)                410669.21
3774338.13       99.31228  (12021515)
       410714.21   3774338.13       85.20870  (12101116)                410759.21
3774338.13      109.36311  (12042618)
       410804.21   3774338.13       96.06873  (12042618)                410849.21
3774338.13       60.69877  (14120116)
       410894.21   3774338.13       57.71873  (14120116)                410939.21
3774338.13       47.95123  (14120116)
       410984.21   3774338.13       41.57779  (12031616)                411029.21
3774338.13       48.19067  (12031616)
       411074.21   3774338.13       51.21286  (12031616)                411119.21
3774338.13       51.00614  (12031616)
       411164.21   3774338.13       48.42001  (12031616)                411209.21
3774338.13       44.09924  (12031616)
       411254.21   3774338.13       39.21822  (12031616)                411299.21
3774338.13       33.96089  (12031616)
       410264.21   3774383.13       22.11072  (12022717)                410309.21
3774383.13       23.38468  (12022717)
       410354.21   3774383.13       24.10709  (12022717)                410399.21
3774383.13       23.91234  (12022717)
       410444.21   3774383.13       24.65595  (12100307)                410489.21
3774383.13       30.54318  (12100307)
       410534.21   3774383.13       38.28221  (12100307)                410579.21
3774383.13       80.77125  (12021515)
       410624.21   3774383.13      149.36917  (12021515)                410669.21
3774383.13      158.02025  (12021515)
       410714.21   3774383.13      126.01934  (12042618)                410759.21
3774383.13      158.47557  (12042618)
       410804.21   3774383.13      110.87089  (12042618)                410849.21
3774383.13       88.79790  (14120116)
       410894.21   3774383.13       69.89483  (14120116)                410939.21
3774383.13       73.52706  (12031616)
       410984.21   3774383.13       77.05490  (12031616)                411029.21
3774383.13       76.94018  (12031616)
       411074.21   3774383.13       70.19950  (12031616)                411119.21
3774383.13       61.43134  (12031616)
       411164.21   3774383.13       52.50865  (12031616)                411209.21
3774383.13       43.74087  (12031616)
       411254.21   3774383.13       35.77479  (12031616)                411299.21
3774383.13       28.94190  (12031616)
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       410264.21   3774428.13       26.78791  (12022717)                410309.21
 3774428.13       30.54497  (12022717)
       410354.21   3774428.13       34.60311  (12022717)                410399.21
 3774428.13       38.72505  (12022717)
       410444.21   3774428.13       42.32981  (12022717)                410489.21
 3774428.13       44.19824  (12022717)
       410534.21   3774428.13       47.81914  (12100307)                410579.21
 3774428.13       65.15058  (12100307)
       410264.21   3774473.13       26.65674  (12022717)                410309.21
 3774473.13       32.11062  (12022717)
       410354.21   3774473.13       39.01952  (12022717)                410399.21
 3774473.13       47.86064  (12022717)
       410444.21   3774473.13       59.22182  (12022717)                410489.21
 3774473.13       73.57534  (12022717)
       410534.21   3774473.13       90.54583  (12022717)                410579.21
 3774473.13      106.35837  (12022717)
       410264.21   3774518.13       21.47248  (12022717)                410309.21
 3774518.13       26.67770  (12022717)
       410354.21   3774518.13       33.72584  (12022717)                410399.21
 3774518.13       43.62997  (12022717)
       410444.21   3774518.13       58.13931  (12022717)                410489.21
 3774518.13       80.32989  (12022717)
       410534.21   3774518.13      116.81347  (12022717)                410579.21
 3774518.13      182.36938  (12022717)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE 206
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0000130    , L0000131
 , L0000132    , L0000133    , L0000134    ,
                 L0000141    ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       410264.21   3774563.13       13.76957  (12022717)                410309.21
 3774563.13       17.12742  (12022717)
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3774563.13       28.25559  (12022717)
       410444.21   3774563.13       37.96250  (12022717)                410489.21
3774563.13       53.31113  (12022717)
       410534.21   3774563.13       79.75246  (12022717)                410579.21
3774563.13      131.86346  (12022717)
       410264.21   3774608.13       15.31083  (14123015)                410309.21
3774608.13       18.56044  (14123015)
       410354.21   3774608.13       22.81505  (14123015)                410399.21
3774608.13       28.55219  (14123015)
       410444.21   3774608.13       36.46492  (14123015)                410489.21
3774608.13       47.65193  (14123015)
       410534.21   3774608.13       70.33343  (12020617)                410579.21
3774608.13      119.42863  (12020617)
       410624.21   3774608.13      209.77571  (12111616)                410759.21
3774608.13      581.94613  (12121716)
       410804.21   3774608.13      477.56319  (12121716)                410354.21
3774653.13       20.00964  (14123015)
       410399.21   3774653.13       25.10828  (12020617)                410444.21
3774653.13       36.07268  (12020617)
       410489.21   3774653.13       51.26049  (12020617)                410534.21
3774653.13       70.28257  (12020617)
       410579.21   3774653.13       99.28334  (12111616)                410624.21
3774653.13      120.42908  (12111616)
       410669.21   3774653.13      159.55955  (16032808)                410714.21
3774653.13      227.61537  (12011615)
       410759.21   3774653.13      199.04979  (12121715)                410804.21
3774653.13      201.73369  (12091318)
       410354.21   3774698.13       22.28467  (12020617)                410399.21
3774698.13       29.12698  (12020617)
       410444.21   3774698.13       36.95114  (12020617)                410489.21
3774698.13       45.37986  (12111616)
       410534.21   3774698.13       58.10256  (12111616)                410579.21
3774698.13       64.23635  (12111616)
       410624.21   3774698.13       76.34822  (12022017)                410669.21
3774698.13       99.25748  (16032808)
       410714.21   3774698.13      128.70036  (12011615)                410759.21
3774698.13      130.65707  (12110815)
       410804.21   3774698.13      109.03479  (12091318)                410444.21
3774743.13       32.19275  (12111616)
       410489.21   3774743.13       38.17342  (12111616)                410534.21
3774743.13       40.24988  (12111616)
       410579.21   3774743.13       43.79963  (12022017)                410624.21
3774743.13       52.28116  (12022017)
       410669.21   3774743.13       67.64877  (16032808)                410714.21
3774743.13       82.37133  (12011615)
       410759.21   3774743.13       77.99272  (12110815)                410804.21
3774743.13       75.60102  (12110815)
       410444.21   3774788.13       26.97976  (12111616)                410489.21
3774788.13       27.65649  (12111616)
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       410534.21   3774788.13       28.09113  (16122016)                410579.21
 3774788.13       34.89954  (12022017)
       410624.21   3774788.13       37.74062  (16010514)                410669.21
 3774788.13       48.84194  (16032808)
       410714.21   3774788.13       57.92997  (12011615)                410759.21
 3774788.13       55.77703  (12011615)
       410804.21   3774788.13       62.74464  (12110815)                410489.21
 3774833.13       20.11475  (16122016)
       410534.21   3774833.13       24.02695  (12022017)                410579.21
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       410624.21   3774833.13       28.37430  (16010514)                410669.21
 3774833.13       36.76888  (16032808)
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 3774833.13       45.37049  (12011615)
       410489.21   3774878.13       17.40836  (12020317)                410534.21
 3774878.13       20.34213  (12022017)
       410579.21   3774878.13       21.45313  (16122316)                410624.21
 3774878.13       23.57956  (16032808)
       410669.21   3774878.13       28.77707  (16032808)                410714.21
 3774878.13       35.01972  (12011615)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:09

                                  PAGE 207
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000119    , L0000120
 , L0000121    , L0000122    , L0000123    ,
                 L0000124    , L0000125    , L0000126    , L0000127    , L0000128
 , L0000129    , L0000139    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       410264.21   3774023.13        6.67592  (12021517)                410309.21
 3774023.13        7.20593  (12021517)
       410354.21   3774023.13        8.93042  (12021515)                410399.21
 3774023.13       14.21160  (12021515)
       410444.21   3774023.13       20.08096  (12021515)                410489.21
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3774023.13       24.06430  (12021515)
       410624.21   3774023.13       18.27800  (12021515)                410669.21
3774023.13       15.82801  (15122816)
       410714.21   3774023.13       16.82411  (12101116)                410759.21
3774023.13       19.63618  (12101116)
       410804.21   3774023.13       19.41035  (12101116)                410849.21
3774023.13       22.83738  (12042618)
       410894.21   3774023.13       24.98346  (12042618)                410939.21
3774023.13       23.77204  (12042618)
       410984.21   3774023.13       19.94032  (12042618)                411029.21
3774023.13       14.92921  (12042618)
       411074.21   3774023.13       10.09539  (12042618)                411119.21
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3774023.13        8.83268  (14120116)
       410264.21   3774068.13        6.80112  (12021517)                410309.21
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3774068.13       12.95684  (12021515)
       410444.21   3774068.13       19.84382  (12021515)                410489.21
3774068.13       26.46549  (12021515)
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3774068.13       29.01862  (12021515)
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3774068.13       18.02305  (15122816)
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3774068.13       22.63928  (12101116)
       410804.21   3774068.13       22.22749  (12042618)                410849.21
3774068.13       27.38983  (12042618)
       410894.21   3774068.13       28.57362  (12042618)                410939.21
3774068.13       25.67920  (12042618)
       410984.21   3774068.13       20.19658  (12042618)                411029.21
3774068.13       14.10556  (12042618)
       411074.21   3774068.13       11.66867  (14120116)                411119.21
3774068.13       12.22987  (14120116)
       411164.21   3774068.13       12.09295  (14120116)                411209.21
3774068.13       11.40685  (14120116)
       411254.21   3774068.13       10.33590  (14120116)                411299.21
3774068.13        9.49858  (12012517)
       410264.21   3774113.13        7.14899  (12100307)                410309.21
3774113.13        8.16991  (12021517)
       410354.21   3774113.13        9.43254  (12021517)                410399.21
3774113.13       11.24025  (12021515)
       410444.21   3774113.13       18.86767  (12021515)                410489.21
3774113.13       27.47305  (12021515)
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 3774113.13       26.38027  (12101116)
       410804.21   3774113.13       27.81606  (12042618)                410849.21
 3774113.13       32.83374  (12042618)
       410894.21   3774113.13       32.34873  (12042618)                410939.21
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       410984.21   3774113.13       19.82238  (12042618)                411029.21
 3774113.13       13.78196  (14120116)
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 3774113.13       14.51060  (14120116)
       411164.21   3774113.13       13.62220  (14120116)                411209.21
 3774113.13       12.24044  (14120116)
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 3774113.13       10.23271  (12012517)
       410264.21   3774158.13        7.76754  (12100307)                410309.21
 3774158.13        8.52069  (12100307)
       410354.21   3774158.13        9.96897  (12021517)                410399.21
 3774158.13       11.44007  (12021517)
       410444.21   3774158.13       17.07023  (12021515)                410489.21
 3774158.13       27.51694  (12021515)
       410534.21   3774158.13       37.38294  (12021515)                410579.21
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 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE 208
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000119    , L0000120
 , L0000121    , L0000122    , L0000123    ,
                 L0000124    , L0000125    , L0000126    , L0000127    , L0000128
 , L0000129    , L0000139    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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       410714.21   3774158.13       27.30144  (12101116)                410759.21
3774158.13       31.14952  (12101116)
       410804.21   3774158.13       35.09131  (12042618)                410849.21
3774158.13       39.25800  (12042618)
       410894.21   3774158.13       36.07860  (12042618)                410939.21
3774158.13       27.94288  (12042618)
       410984.21   3774158.13       18.66402  (12042618)                411029.21
3774158.13       17.77283  (14120116)
       411074.21   3774158.13       17.69798  (14120116)                411119.21
3774158.13       16.54132  (14120116)
       411164.21   3774158.13       14.69278  (14120116)                411209.21
3774158.13       13.17339  (12012517)
       411254.21   3774158.13       11.93940  (12012517)                411299.21
3774158.13       10.49560  (12012517)
       410264.21   3774203.13        8.42643  (12100307)                410309.21
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       410354.21   3774203.13       10.36425  (12100307)                410399.21
3774203.13       12.40598  (12021517)
       410444.21   3774203.13       14.45066  (12021515)                410489.21
3774203.13       26.24543  (12021515)
       410534.21   3774203.13       39.93199  (12021515)                410579.21
3774203.13       49.20363  (12021515)
       410624.21   3774203.13       47.36996  (12021515)                410669.21
3774203.13       34.27921  (12021515)
       410714.21   3774203.13       33.16107  (12101116)                410759.21
3774203.13       37.34548  (12101116)
       410804.21   3774203.13       44.61821  (12042618)                410849.21
3774203.13       46.65400  (12042618)
       410894.21   3774203.13       39.33917  (12042618)                410939.21
3774203.13       27.62785  (12042618)
       410984.21   3774203.13       22.01955  (14120116)                411029.21
3774203.13       22.04962  (14120116)
       411074.21   3774203.13       20.48452  (14120116)                411119.21
3774203.13       17.94938  (14120116)
       411164.21   3774203.13       15.85731  (12012517)                411209.21
3774203.13       14.05665  (12012517)
       411254.21   3774203.13       14.06993  (12031616)                411299.21
3774203.13       16.12609  (12031616)
       410264.21   3774248.13        9.13149  (12100307)                410309.21
3774248.13       10.23017  (12100307)
       410354.21   3774248.13       11.49880  (12100307)                410399.21
3774248.13       12.94698  (12100307)
       410444.21   3774248.13       15.82678  (12021517)                410489.21
3774248.13       23.38731  (12021515)
       410534.21   3774248.13       40.78540  (12021515)                410579.21
3774248.13       56.94415  (12021515)
       410624.21   3774248.13       60.79546  (12021515)                410669.21
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       410894.21   3774248.13       41.41716  (12042618)                410939.21
 3774248.13       27.95411  (14120116)
       410984.21   3774248.13       28.23245  (14120116)                411029.21
 3774248.13       26.01994  (14120116)
       411074.21   3774248.13       22.39962  (14120116)                411119.21
 3774248.13       19.40854  (12012517)
       411164.21   3774248.13       17.60463  (12031616)                411209.21
 3774248.13       20.49553  (12031616)
       411254.21   3774248.13       22.62993  (12031616)                411299.21
 3774248.13       23.89045  (12031616)
       410264.21   3774293.13        9.85862  (12100307)                410309.21
 3774293.13       11.17310  (12100307)
       410354.21   3774293.13       12.73223  (12100307)                410399.21
 3774293.13       14.57809  (12100307)
       410444.21   3774293.13       16.74162  (12100307)                410489.21
 3774293.13       20.84414  (12021517)
       410534.21   3774293.13       38.97096  (12021515)                410579.21
 3774293.13       63.71993  (12021515)
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 3774293.13       66.25594  (12021515)
       410714.21   3774293.13       53.00984  (12101116)                410759.21
 3774293.13       62.71370  (12042618)
       410804.21   3774293.13       73.52453  (12042618)                410849.21
 3774293.13       62.63842  (12042618)
       410894.21   3774293.13       41.32721  (12042618)                410939.21
 3774293.13       37.40562  (14120116)
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View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 209
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                INCLUDING SOURCE(S):     L0000119    , L0000120
 , L0000121    , L0000122    , L0000123    ,
                 L0000124    , L0000125    , L0000126    , L0000127    , L0000128
 , L0000129    , L0000139    ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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411074.21	3774293.13	24.21388	(12012517)	411119.21	3774293.13	26.83802	(12031616)
411164.21	3774293.13	29.91653	(12031616)	411209.21	3774293.13	31.46704	(12031616)
411254.21	3774293.13	31.90433	(12031616)	411299.21	3774293.13	31.05491	(12031616)
410264.21	3774338.13	12.84976	(12022717)	410309.21	3774338.13	12.20526	(12022717)
410354.21	3774338.13	14.03838	(12100307)	410399.21	3774338.13	16.36493	(12100307)
410444.21	3774338.13	19.21932	(12100307)	410489.21	3774338.13	22.68623	(12100307)
410534.21	3774338.13	33.59654	(12021515)	410579.21	3774338.13	67.24063	(12021515)
410624.21	3774338.13	98.73231	(12021515)	410669.21	3774338.13	95.93289	(12021515)
410714.21	3774338.13	71.17709	(12101116)	410759.21	3774338.13	90.27029	(12042618)
410804.21	3774338.13	94.46183	(12042618)	410849.21	3774338.13	68.60237	(12042618)
410894.21	3774338.13	52.06255	(14120116)	410939.21	3774338.13	47.04954	(14120116)
410984.21	3774338.13	38.13067	(14120116)	411029.21	3774338.13	36.55773	(12031616)
411074.21	3774338.13	41.28546	(12031616)	411119.21	3774338.13	43.45250	(12031616)
411164.21	3774338.13	43.42857	(12031616)	411209.21	3774338.13	41.47396	(12031616)
411254.21	3774338.13	38.50636	(12031616)	411299.21	3774338.13	34.65457	(12031616)
410264.21	3774383.13	19.05313	(12022717)	410309.21	3774383.13	19.72486	(12022717)
410354.21	3774383.13	19.89196	(12022717)	410399.21	3774383.13	19.32188	(12022717)
410444.21	3774383.13	21.95474	(12100307)	410489.21	3774383.13	26.74606	(12100307)
410534.21	3774383.13	32.91370	(12100307)	410579.21	3774383.13	63.81327	(12021515)
410624.21	3774383.13	121.00769	(12021515)	410669.21	3774383.13	144.13749	(12021515)
410714.21	3774383.13	101.96190	(12101116)	410759.21	3774383.13	135.54093	(12042618)
410804.21	3774383.13	118.79008	(12042618)	410849.21			

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 3774383.13       64.31750  (12031616)
       411074.21   3774383.13       62.73622  (12031616)                411119.21
 3774383.13       58.24857  (12031616)
       411164.21   3774383.13       52.51115  (12031616)                411209.21
 3774383.13       45.85634  (12031616)
       411254.21   3774383.13       39.07703  (12031616)                411299.21
 3774383.13       32.76295  (12031616)
       410264.21   3774428.13       24.01876  (12022717)                410309.21
 3774428.13       26.72781  (12022717)
       410354.21   3774428.13       29.45923  (12022717)                410399.21
 3774428.13       31.96847  (12022717)
       410444.21   3774428.13       33.81917  (12022717)                410489.21
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 3774473.13       29.82779  (12022717)
       410354.21   3774473.13       35.22965  (12022717)                410399.21
 3774473.13       41.73277  (12022717)
       410444.21   3774473.13       49.50791  (12022717)                410489.21
 3774473.13       58.48459  (12022717)
       410534.21   3774473.13       67.98397  (12022717)                410579.21
 3774473.13       75.77430  (12022717)
       410264.21   3774518.13       22.17442  (12022717)                410309.21
 3774518.13       27.05579  (12022717)
       410354.21   3774518.13       33.43056  (12022717)                410399.21
 3774518.13       41.98585  (12022717)
       410444.21   3774518.13       53.82106  (12022717)                410489.21
 3774518.13       70.56474  (12022717)
       410534.21   3774518.13       95.41493  (12022717)                410579.21
 3774518.13      133.80308  (12022717)
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View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000119    , L0000120
 , L0000121    , L0000122    , L0000123    ,
                L0000124    , L0000125    , L0000126    , L0000127    , L0000128
 , L0000129    , L0000139    ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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410354.21	3774563.13	24.65237	(12022717)	410399.21	3774563.13	31.70544	(12022717)
410444.21	3774563.13	41.94946	(12022717)	410489.21	3774563.13	57.59213	(12022717)
410534.21	3774563.13	83.13297	(12022717)	410579.21	3774563.13	129.00696	(12022717)
410264.21	3774608.13	13.59725	(14123015)	410309.21	3774608.13	16.49373	(14123015)
410354.21	3774608.13	20.31212	(14123015)	410399.21	3774608.13	25.51181	(14123015)
410444.21	3774608.13	32.81155	(14123015)	410489.21	3774608.13	43.47482	(14123015)
410534.21	3774608.13	59.81165	(14123015)	410579.21	3774608.13	88.65460	(12100307)
410624.21	3774608.13	160.41688	(12100307)	410759.21	3774608.13	1095.93776	(12121716)
410804.21	3774608.13	563.63117	(12121716)	410354.21	3774653.13	19.94614	(14123015)
410399.21	3774653.13	23.97200	(14123015)	410444.21	3774653.13	29.04795	(14123015)
410489.21	3774653.13	41.48392	(12020617)	410534.21	3774653.13	61.47067	(12020617)
410579.21	3774653.13	89.66966	(12020617)	410624.21	3774653.13	138.54872	(12111616)
410669.21	3774653.13	199.58112	(12100307)	410714.21	3774653.13	334.79414	(12011615)
410759.21	3774653.13	298.13139	(12091318)	410804.21	3774653.13	295.19903	(12121716)
410354.21	3774698.13	18.35990	(12020617)	410399.21	3774698.13	24.88765	(12020617)
410444.21	3774698.13	33.32387	(12020617)	410489.21	3774698.13	43.54155	(12020617)
410534.21	3774698.13	55.97110	(12111616)	410579.21	3774698.13	73.77603	(12111616)
410624.21	3774698.13	82.68691	(12111616)	410669.21	3774698.13	105.22135	(12022017)
410714.21	3774698.13	156.32769	(12011615)	410759.21	3774698.13	157.67260	(12110815)

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       410579.21   3774743.13       48.20444  (12111616)               410624.21
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       410669.21   3774743.13       69.58524  (16032808)               410714.21
 3774743.13       93.44054  (12011615)
       410759.21   3774743.13       92.94231  (12011615)               410804.21
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 3774788.13       35.39292  (12022017)
       410624.21   3774788.13       42.33479  (12022017)               410669.21
 3774788.13       51.43431  (16032808)
       410714.21   3774788.13       62.97382  (12011615)               410759.21
 3774788.13       67.08210  (12011615)
       410804.21   3774788.13       71.09456  (12110815)               410489.21
 3774833.13       22.62015  (12111616)
       410534.21   3774833.13       23.58390  (12020317)               410579.21
 3774833.13       29.04108  (12022017)
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 3774833.13       39.15097  (16032808)
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 3774833.13       52.20251  (12011615)
       410489.21   3774878.13       17.47787  (12020317)               410534.21
 3774878.13       20.51627  (12022017)
       410579.21   3774878.13       23.13848  (12022017)               410624.21
 3774878.13       24.40033  (16010514)
       410669.21   3774878.13       30.64596  (16032808)               410714.21
 3774878.13       35.82548  (12011615)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE 211
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GENS     ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774023.13	0.90674	(13121915)	410309.21	3774023.13	0.96720	(13121915)
410354.21	3774023.13	0.99618	(13121915)	410399.21	3774023.13	0.98270	(13121915)
410444.21	3774023.13	1.42773	(15102915)	410489.21	3774023.13	2.17407	(15102915)
410534.21	3774023.13	2.72711	(15102915)	410579.21	3774023.13	3.14950	(15102915)
410624.21	3774023.13	4.00468	(12021615)	410669.21	3774023.13	5.32789	(12021615)
410714.21	3774023.13	5.68527	(12021615)	410759.21	3774023.13	5.80192	(14122515)
410804.21	3774023.13	5.64073	(14122515)	410849.21	3774023.13	4.64281	(14122515)
410894.21	3774023.13	3.50548	(14122515)	410939.21	3774023.13	2.27030	(14122515)
410984.21	3774023.13	1.63314	(12111515)	411029.21	3774023.13	1.68541	(12111515)
411074.21	3774023.13	2.00931	(13011015)	411119.21	3774023.13	2.45316	(13011015)
411164.21	3774023.13	2.61981	(13011015)	411209.21	3774023.13	2.67137	(13011015)
411254.21	3774023.13	2.62345	(13011015)	411299.21	3774023.13	2.49913	(13011015)
410264.21	3774068.13	0.98542	(15031215)	410309.21	3774068.13	0.99080	(13121915)
410354.21	3774068.13	1.04808	(13121915)	410399.21	3774068.13	1.06106	(13121915)
410444.21	3774068.13	1.53082	(15102915)	410489.21	3774068.13	2.48077	(15102915)
410534.21	3774068.13	3.27490	(15102915)	410579.21	3774068.13	3.84574	(15102915)
410624.21	3774068.13	4.63729	(12021615)	410669.21	3774068.13	6.29773	(12021615)
410714.21	3774068.13	6.74111	(12021615)	410759.21	3774068.13	6.90303	(14122515)
410804.21	3774068.13	6.62992	(14122515)	410849.21	3774068.13	5.25393	(14122515)
410894.21	3774068.13	3.70747	(14122515)	410939.21	3774068.13	2.25834	(14122515)
410984.21	3774068.13	2.09037	(12111515)	411029.21	3774068.13	2.33433	(13011015)
411074.21	3774068.13	2.96182	(13011015)	411119.21	3774068.13	3.23169	(13011015)
411164.21	3774068.13	3.33271	(13011015)	411209.21	3774068.13	3.27848	(13011015)

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 3774113.13        1.13336  (13121915)
       410444.21   3774113.13        1.61226  (15102915)               410489.21
 3774113.13        2.79297  (15102915)
       410534.21   3774113.13        3.91312  (15102915)               410579.21
 3774113.13        4.69613  (15102915)
       410624.21   3774113.13        6.21868  (12021615)               410669.21
 3774113.13        7.42793  (12021615)
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       410804.21   3774113.13        7.75185  (14122515)               410849.21
 3774113.13        5.82481  (14122515)
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 3774113.13        4.16614  (13011015)
       411164.21   3774113.13        4.12535  (13011015)               411209.21
 3774113.13        3.90124  (13011015)
       411254.21   3774113.13        3.57148  (13011015)               411299.21
 3774113.13        3.18478  (13011015)
       410264.21   3774158.13        2.80257  (12121315)               410309.21
 3774158.13        2.32741  (12121315)
       410354.21   3774158.13        1.69430  (12121315)               410399.21
 3774158.13        1.19894  (15031215)
       410444.21   3774158.13        1.66070  (15102915)               410489.21
 3774158.13        3.08444  (15102915)
       410534.21   3774158.13        4.62053  (15102915)               410579.21
 3774158.13        5.71898  (15102915)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:36:09

                                  PAGE 212
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GENS     ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410624.21	3774158.13	7.17197	(12021615)	410669.21	3774158.13	8.76339	(12021615)
410714.21	3774158.13	9.51417	(14122515)	410759.21	3774158.13	9.70230	(14122515)
410804.21	3774158.13	8.13961	(14122515)	410849.21	3774158.13	6.29569	(14122515)
410894.21	3774158.13	3.79334	(14122515)	410939.21	3774158.13	3.49588	(12111515)
410984.21	3774158.13	4.13926	(13011015)	411029.21	3774158.13	4.86710	(13011015)
411074.21	3774158.13	5.21462	(13011015)	411119.21	3774158.13	5.20226	(13011015)
411164.21	3774158.13	4.92261	(13011015)	411209.21	3774158.13	4.47110	(13011015)
411254.21	3774158.13	3.94342	(13011015)	411299.21	3774158.13	3.12632	(13011015)
410264.21	3774203.13	3.96493	(12121315)	410309.21	3774203.13	3.67286	(12121315)
410354.21	3774203.13	3.02160	(12121315)	410399.21	3774203.13	2.12410	(12121315)
410444.21	3774203.13	1.65393	(15102915)	410489.21	3774203.13	3.31713	(15102915)
410534.21	3774203.13	5.36710	(15102915)	410579.21	3774203.13	6.92848	(15102915)
410624.21	3774203.13	8.16165	(12021615)	410669.21	3774203.13	10.29880	(12021615)
410714.21	3774203.13	11.34432	(14122515)	410759.21	3774203.13	11.44989	(14122515)
410804.21	3774203.13	9.32953	(14122515)	410849.21	3774203.13	6.60094	(14122515)
410894.21	3774203.13	4.38261	(12111515)	410939.21	3774203.13	4.69907	(13011015)
410984.21	3774203.13	5.88406	(13011015)	411029.21	3774203.13	6.50989	(13011015)
411074.21	3774203.13	6.57554	(13011015)	411119.21	3774203.13	6.22216	(13011015)
411164.21	3774203.13	5.61259	(13011015)	411209.21	3774203.13	4.89458	(13011015)
411254.21	3774203.13	3.81776	(13011015)	411299.21	3774203.13	3.26357	(13030715)
410264.21	3774248.13	6.04014	(12121315)	410309.21	3774248.13	5.91827	(12121315)
410354.21	3774248.13	4.67058	(12121315)	410399.21	3774248.13	3.77354	(12121315)

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       410444.21   3774248.13        2.53321  (15031215)               410489.21
 3774248.13        3.43478  (15102915)
       410534.21   3774248.13        6.07837  (15102915)               410579.21
 3774248.13        8.31518  (15102915)
       410624.21   3774248.13        9.28112  (12021615)               410669.21
 3774248.13       12.19715  (12021615)
       410714.21   3774248.13       13.56162  (14122515)               410759.21
 3774248.13       13.48139  (14122515)
       410804.21   3774248.13       10.42011  (14122515)               410849.21
 3774248.13        6.61810  (14122515)
       410894.21   3774248.13        5.59881  (12111515)               410939.21
 3774248.13        6.97227  (13011015)
       410984.21   3774248.13        8.06898  (13011015)               411029.21
 3774248.13        8.30489  (13011015)
       411074.21   3774248.13        7.87328  (13011015)               411119.21
 3774248.13        7.04599  (13011015)
       411164.21   3774248.13        6.06821  (13011015)               411209.21
 3774248.13        4.75170  (13030715)
       411254.21   3774248.13        4.10696  (13030715)               411299.21
 3774248.13        3.38402  (13030715)
       410264.21   3774293.13        7.67377  (12121315)               410309.21
 3774293.13        7.96413  (12121315)
       410354.21   3774293.13        7.76113  (12121315)               410399.21
 3774293.13        6.89632  (12121315)
       410444.21   3774293.13        4.48680  (12121315)               410489.21
 3774293.13        3.38423  (15102915)
       410534.21   3774293.13        6.68001  (15102915)               410579.21
 3774293.13        9.90685  (15102915)
       410624.21   3774293.13       11.26411  (15102915)               410669.21
 3774293.13       14.55209  (12021615)
       410714.21   3774293.13       16.28448  (14122515)               410759.21
 3774293.13       15.81471  (14122515)
       410804.21   3774293.13       11.32437  (14122515)               410849.21
 3774293.13        7.17953  (12111515)
       410894.21   3774293.13        8.05144  (13011015)               410939.21
 3774293.13        9.92308  (13011015)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 213
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GENS     ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410984.21	3774293.13	10.45206	(13011015)	411029.21	3774293.13	9.94176	(13011015)
411074.21	3774293.13	8.82072	(13011015)	411119.21	3774293.13	6.96986	(13030715)
411164.21	3774293.13	6.04789	(13030715)	411209.21	3774293.13	5.16720	(13030715)
411254.21	3774293.13	4.18990	(12101115)	411299.21	3774293.13	4.58981	(12101115)
410264.21	3774338.13	9.12182	(12121315)	410309.21	3774338.13	10.04641	(12121315)
410354.21	3774338.13	10.51281	(12121315)	410399.21	3774338.13	10.21894	(12121315)
410444.21	3774338.13	8.90550	(12121315)	410489.21	3774338.13	6.51887	(12121315)
410534.21	3774338.13	7.10562	(15102915)	410579.21	3774338.13	11.87113	(15102915)
410624.21	3774338.13	14.19473	(15102915)	410669.21	3774338.13	18.00182	(12021615)
410714.21	3774338.13	20.56839	(14122515)	410759.21	3774338.13	19.01421	(14122515)
410804.21	3774338.13	12.02196	(14122515)	410849.21	3774338.13	9.47854	(12111515)
410894.21	3774338.13	12.07484	(13011015)	410939.21	3774338.13	13.12605	(13011015)
410984.21	3774338.13	12.50216	(13011015)	411029.21	3774338.13	10.95824	(13011015)
411074.21	3774338.13	8.92910	(13030715)	411119.21	3774338.13	7.66142	(13030715)
411164.21	3774338.13	6.18805	(13030715)	411209.21	3774338.13	6.24928	(12101115)
411254.21	3774338.13	6.76767	(12101115)	411299.21	3774338.13	6.83327	(12101115)
410264.21	3774383.13	10.00854	(12121315)	410309.21	3774383.13	11.61571	(12121315)
410354.21	3774383.13	13.02181	(12121315)	410399.21	3774383.13	13.87760	(12121315)
410444.21	3774383.13	13.66484	(12121315)	410489.21	3774383.13	11.97007	(12121315)
410534.21	3774383.13	8.44388	(12121315)	410579.21	3774383.13	14.09466	(15102915)
410624.21	3774383.13	21.15805	(14122515)	410669.21	3774383.13	23.54661	(14122515)

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       410714.21   3774383.13       26.76894  (14122515)                410759.21
 3774383.13       21.21086  (14122515)
       410804.21   3774383.13       13.17029  (12111515)                410849.21
 3774383.13       15.11701  (13011015)
       410894.21   3774383.13       16.55700  (13011015)                410939.21
 3774383.13       15.62455  (13011015)
       410984.21   3774383.13       13.44284  (13011015)                411029.21
 3774383.13       11.32107  (13030715)
       411074.21   3774383.13        9.58993  (13030715)                411119.21
 3774383.13        7.68426  (12101115)
       411164.21   3774383.13        9.01245  (12101115)                411209.21
 3774383.13        9.59576  (12101115)
       411254.21   3774383.13        9.52207  (12101115)                411299.21
 3774383.13        8.96635  (12101115)
       410264.21   3774428.13       10.08083  (12121315)                410309.21
 3774428.13       12.17918  (12121315)
       410354.21   3774428.13       14.46534  (12121315)                410399.21
 3774428.13       16.74176  (12121315)
       410444.21   3774428.13       18.51278  (12121315)                410489.21
 3774428.13       19.43996  (12121315)
       410534.21   3774428.13       17.23143  (12121315)                410579.21
 3774428.13       21.70747  (12121315)
       410264.21   3774473.13        8.06272  (12121315)                410309.21
 3774473.13       10.17670  (12121315)
       410354.21   3774473.13       14.08324  (12121315)                410399.21
 3774473.13       17.38555  (12121315)
       410444.21   3774473.13       21.66135  (12121315)                410489.21
 3774473.13       26.49237  (12121315)
       410534.21   3774473.13       51.72498  (12121315)                410579.21
 3774473.13       41.34912  (12121315)
       410264.21   3774518.13        5.81374  (12121315)                410309.21
 3774518.13        7.82217  (12121315)
       410354.21   3774518.13       10.38245  (12121315)                410399.21
 3774518.13       13.67538  (12121315)
       410444.21   3774518.13       18.65801  (12121315)                410489.21
 3774518.13       28.42764  (12121315)
       410534.21   3774518.13       63.86536  (12121315)                410579.21
 3774518.13       37.62320  (12121315)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 214
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GENS     ***
                                  INCLUDING SOURCE(S):     STCK1       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774563.13	8.57804	(12122715)	410309.21	3774563.13	9.72831	(12122715)
410354.21	3774563.13	10.90208	(12122715)	410399.21	3774563.13	12.29643	(12122715)
410444.21	3774563.13	14.41735	(12122715)	410489.21	3774563.13	18.76719	(12121315)
410534.21	3774563.13	28.91113	(12121315)	410579.21	3774563.13	59.55800	(12121315)
410264.21	3774608.13	10.83922	(12122715)	410309.21	3774608.13	12.61818	(12122715)
410354.21	3774608.13	14.64251	(12122715)	410399.21	3774608.13	17.07509	(12122715)
410444.21	3774608.13	21.06411	(12122715)	410489.21	3774608.13	26.23563	(12122715)
410534.21	3774608.13	33.48862	(12122715)	410579.21	3774608.13	58.21443	(12122715)
410624.21	3774608.13	55.09870	(12122715)	410759.21	3774608.13	16.59475	(13060615)
410804.21	3774608.13	19.27277	(15060415)	410354.21	3774653.13	15.16373	(12122715)
410399.21	3774653.13	16.96000	(12122715)	410444.21	3774653.13	19.81034	(12122715)
410489.21	3774653.13	20.70232	(12122715)	410534.21	3774653.13	22.54989	(12122715)
410579.21	3774653.13	25.14609	(16122215)	410624.21	3774653.13	23.84879	(16122215)
410669.21	3774653.13	4.71376	(16012115)	410714.21	3774653.13	6.48226	(12071215)
410759.21	3774653.13	10.32306	(16121515)	410804.21	3774653.13	10.05029	(12062115)
410354.21	3774698.13	11.63340	(12122715)	410399.21	3774698.13	12.01152	(12122715)
410444.21	3774698.13	12.39645	(16122215)	410489.21	3774698.13	17.47265	(16122215)
410534.21	3774698.13	23.26442	(16122215)	410579.21	3774698.13	25.01667	(16122215)
410624.21	3774698.13	14.11131	(16122215)	410669.21	3774698.13	4.40111	(14121115)
410714.21	3774698.13	6.48559	(15050715)	410759.21	3774698.13	9.12706	(12092715)

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 3774743.13       13.90028  (16122215)
       410489.21   3774743.13       17.24128  (16122215)               410534.21
 3774743.13       18.76740  (16122215)
       410579.21   3774743.13       17.02234  (12122015)               410624.21
 3774743.13       12.94814  (12122015)
       410669.21   3774743.13        5.59042  (14121115)               410714.21
 3774743.13        6.91220  (14121115)
       410759.21   3774743.13        7.78256  (15050715)               410804.21
 3774743.13        9.80648  (12092715)
       410444.21   3774788.13       12.76437  (16122215)               410489.21
 3774788.13       13.54228  (16122215)
       410534.21   3774788.13       14.33497  (12122015)               410579.21
 3774788.13       14.26404  (12122015)
       410624.21   3774788.13        9.43531  (12122015)               410669.21
 3774788.13        5.48999  (14121115)
       410714.21   3774788.13        6.51320  (14121115)               410759.21
 3774788.13        7.01970  (15050715)
       410804.21   3774788.13        7.18846  (12092715)               410489.21
 3774833.13       11.55241  (12122015)
       410534.21   3774833.13       12.23772  (12122015)               410579.21
 3774833.13       10.61644  (12122015)
       410624.21   3774833.13        6.16819  (12122015)               410669.21
 3774833.13        5.05460  (14121115)
       410714.21   3774833.13        5.90084  (14121115)               410759.21
 3774833.13        5.75714  (15050715)
       410489.21   3774878.13       10.42863  (12122015)               410534.21
 3774878.13        9.89212  (12122015)
       410579.21   3774878.13        7.33186  (12122015)               410624.21
 3774878.13        3.87637  (12122015)
       410669.21   3774878.13        4.53007  (14121115)               410714.21
 3774878.13        5.17817  (14121115)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CHE      ***
                                   INCLUDING SOURCE(S):     L0000135    , L0000136
 , L0000137    , L0000138    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410264.21	3774023.13	7.63095	(12021517)	410309.21	3774023.13	8.06520	(12021517)
410354.21	3774023.13	10.98152	(12021515)	410399.21	3774023.13	17.47600	(12021515)
410444.21	3774023.13	24.15317	(12021515)	410489.21	3774023.13	28.52877	(12021515)
410534.21	3774023.13	28.37005	(12021515)	410579.21	3774023.13	23.35404	(12021515)
410624.21	3774023.13	16.19826	(15122816)	410669.21	3774023.13	17.36927	(15122816)
410714.21	3774023.13	20.33955	(12101116)	410759.21	3774023.13	21.61174	(12101116)
410804.21	3774023.13	23.03605	(12042618)	410849.21	3774023.13	26.87823	(12042618)
410894.21	3774023.13	26.72145	(12042618)	410939.21	3774023.13	22.96909	(12042618)
410984.21	3774023.13	17.30630	(12042618)	411029.21	3774023.13	11.57970	(12042618)
411074.21	3774023.13	10.87504	(14120116)	411119.21	3774023.13	11.53140	(14120116)
411164.21	3774023.13	11.51552	(14120116)	411209.21	3774023.13	10.93968	(14120116)
411254.21	3774023.13	9.96629	(14120116)	411299.21	3774023.13	9.14858	(12012517)
410264.21	3774068.13	7.87408	(12021517)	410309.21	3774068.13	9.04187	(12021517)
410354.21	3774068.13	9.36995	(12021517)	410399.21	3774068.13	16.17748	(12021515)
410444.21	3774068.13	24.42295	(12021515)	410489.21	3774068.13	31.28572	(12021515)
410534.21	3774068.13	33.36207	(12021515)	410579.21	3774068.13	29.05874	(12021515)
410624.21	3774068.13	20.23167	(12021515)	410669.21	3774068.13	19.94418	(15122816)
410714.21	3774068.13	23.63240	(12101116)	410759.21	3774068.13	24.66562	(12101116)
410804.21	3774068.13	28.23206	(12042618)	410849.21	3774068.13	31.39237	(12042618)
410894.21	3774068.13	29.38298	(12042618)	410939.21	3774068.13	23.56002	(12042618)
410984.21	3774068.13	16.44552	(12042618)	411029.21	3774068.13	12.69378	(14120116)
411074.21	3774068.13	13.64450	(14120116)	411119.21	3774068.13	13.68621	(14120116)
411164.21	3774068.13	12.95794	(14120116)	411209.21			

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 3774068.13       11.70676  (14120116)
       411254.21   3774068.13       10.65787  (12012517)                411299.21
 3774068.13        9.92712  (12012517)
       410264.21   3774113.13        7.77751  (12100307)                410309.21
 3774113.13        9.52604  (12021517)
       410354.21   3774113.13       10.83370  (12021517)                410399.21
 3774113.13       14.22134  (12021515)
       410444.21   3774113.13       23.77039  (12021515)                410489.21
 3774113.13       33.48739  (12021515)
       410534.21   3774113.13       38.82903  (12021515)                410579.21
 3774113.13       36.17658  (12021515)
       410624.21   3774113.13       26.40697  (12021515)                410669.21
 3774113.13       23.17553  (15122816)
       410714.21   3774113.13       27.79596  (12101116)                410759.21
 3774113.13       28.37085  (12101116)
       410804.21   3774113.13       34.67427  (12042618)                410849.21
 3774113.13       36.36952  (12042618)
       410894.21   3774113.13       31.67878  (12042618)                410939.21
 3774113.13       23.40110  (12042618)
       410984.21   3774113.13       14.95272  (14120116)                411029.21
 3774113.13       16.35990  (14120116)
       411074.21   3774113.13       16.49999  (14120116)                411119.21
 3774113.13       15.57544  (14120116)
       411164.21   3774113.13       13.93649  (14120116)                411209.21
 3774113.13       12.51501  (12012517)
       411254.21   3774113.13       11.51651  (12012517)                411299.21
 3774113.13       10.21048  (12012517)
       410264.21   3774158.13        8.49422  (12100307)                410309.21
 3774158.13        9.35791  (12100307)
       410354.21   3774158.13       11.71710  (12021517)                410399.21
 3774158.13       13.15850  (12021517)
       410444.21   3774158.13       22.00397  (12021515)                410489.21
 3774158.13       34.66007  (12021515)
       410534.21   3774158.13       44.41787  (12021515)                410579.21
 3774158.13       44.95189  (12021515)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:36:09

                                   PAGE 216
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CHE      ***
                                   INCLUDING SOURCE(S):     L0000135    , L0000136
 , L0000137    , L0000138    ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410624.21	3774158.13	34.83303	(12021515)	410669.21	3774158.13	27.33744	(15122816)
410714.21	3774158.13	33.17220	(12101116)	410759.21	3774158.13	34.74840	(12042618)
410804.21	3774158.13	42.61127	(12042618)	410849.21	3774158.13	41.59988	(12042618)
410894.21	3774158.13	33.22209	(12042618)	410939.21	3774158.13	22.26302	(12042618)
410984.21	3774158.13	19.93593	(14120116)	411029.21	3774158.13	20.25868	(14120116)
411074.21	3774158.13	19.04558	(14120116)	411119.21	3774158.13	16.84261	(14120116)
411164.21	3774158.13	14.97027	(12012517)	411209.21	3774158.13	13.43472	(12012517)
411254.21	3774158.13	11.71812	(12012517)	411299.21	3774158.13	12.71274	(12031616)
410264.21	3774203.13	9.26327	(12100307)	410309.21	3774203.13	10.32710	(12100307)
410354.21	3774203.13	11.63281	(12021517)	410399.21	3774203.13	14.71770	(12021517)
410444.21	3774203.13	19.01932	(12021515)	410489.21	3774203.13	34.22491	(12021515)
410534.21	3774203.13	49.53524	(12021515)	410579.21	3774203.13	55.54428	(12021515)
410624.21	3774203.13	46.38496	(12021515)	410669.21	3774203.13	32.85437	(15122816)
410714.21	3774203.13	40.33552	(12101116)	410759.21	3774203.13	45.48857	(12042618)
410804.21	3774203.13	52.23362	(12042618)	410849.21	3774203.13	46.63936	(12042618)
410894.21	3774203.13	33.48984	(12042618)	410939.21	3774203.13	24.77378	(14120116)
410984.21	3774203.13	25.44446	(14120116)	411029.21	3774203.13	23.81260	(14120116)
411074.21	3774203.13	20.74984	(14120116)	411119.21	3774203.13	18.12618	(12012517)
411164.21	3774203.13	15.95537	(12012517)	411209.21	3774203.13	15.73321	(12031616)
411254.21	3774203.13	18.38288	(12031616)	411299.21	3774203.13	20.44500	(12031616)
410264.21	3774248.13	10.08924	(12100307)	410309.21	3774248.13	11.38183	(12100307)

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       410354.21   3774248.13       12.88496  (12100307)                410399.21
 3774248.13       14.95350  (12021517)
       410444.21   3774248.13       18.97049  (12021517)                410489.21
 3774248.13       31.60202  (12021515)
       410534.21   3774248.13       53.12032  (12021515)                410579.21
 3774248.13       67.84087  (12021515)
       410624.21   3774248.13       62.54111  (12021515)                410669.21
 3774248.13       41.76127  (15042107)
       410714.21   3774248.13       50.22973  (12101116)                410759.21
 3774248.13       60.36041  (12042618)
       410804.21   3774248.13       63.56912  (12042618)                410849.21
 3774248.13       50.63429  (12042618)
       410894.21   3774248.13       31.86627  (12042618)                410939.21
 3774248.13       32.91130  (14120116)
       410984.21   3774248.13       30.62539  (14120116)                411029.21
 3774248.13       26.17998  (14120116)
       411074.21   3774248.13       22.38610  (12012517)                411119.21
 3774248.13       19.76886  (12031616)
       411164.21   3774248.13       23.61291  (12031616)                411209.21
 3774248.13       26.43981  (12031616)
       411254.21   3774248.13       28.21752  (12031616)                411299.21
 3774248.13       28.68529  (12031616)
       410264.21   3774293.13       10.94308  (12100307)                410309.21
 3774293.13       12.50843  (12100307)
       410354.21   3774293.13       14.38596  (12100307)                410399.21
 3774293.13       16.63102  (12100307)
       410444.21   3774293.13       19.88908  (12021517)                410489.21
 3774293.13       26.47800  (12021515)
       410534.21   3774293.13       53.65344  (12021515)                410579.21
 3774293.13       81.10146  (12021515)
       410624.21   3774293.13       85.25455  (12021515)                410669.21
 3774293.13       57.60959  (12021515)
       410714.21   3774293.13       64.46264  (12101116)                410759.21
 3774293.13       81.21600  (12042618)
       410804.21   3774293.13       76.18723  (12042618)                410849.21
 3774293.13       52.25567  (12042618)
       410894.21   3774293.13       44.16624  (14120116)                410939.21
 3774293.13       40.85434  (14120116)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 217
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  CHE      ***
                                  INCLUDING SOURCE(S):     L0000135    , L0000136
 , L0000137    , L0000138    ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410984.21	3774293.13	34.04645	(14120116)	411029.21	3774293.13	28.32564	(12012517)
411074.21	3774293.13	31.32634	(12031616)	411119.21	3774293.13	35.56096	(12031616)
411164.21	3774293.13	37.91045	(12031616)	411209.21	3774293.13	38.02016	(12031616)
411254.21	3774293.13	36.87118	(12031616)	411299.21	3774293.13	34.33996	(12031616)
410264.21	3774338.13	15.30552	(12022717)	410309.21	3774338.13	14.47377	(12022717)
410354.21	3774338.13	15.98539	(12100307)	410399.21	3774338.13	18.87504	(12100307)
410444.21	3774338.13	22.47277	(12100307)	410489.21	3774338.13	27.72369	(12021517)
410534.21	3774338.13	49.10761	(12021515)	410579.21	3774338.13	92.89520	(12021515)
410624.21	3774338.13	117.21446	(12021515)	410669.21	3774338.13	88.01812	(12021515)
410714.21	3774338.13	88.34308	(12042618)	410759.21	3774338.13	110.59958	(12042618)
410804.21	3774338.13	88.18863	(12042618)	410849.21	3774338.13	62.90660	(14120116)
410894.21	3774338.13	58.09817	(14120116)	410939.21	3774338.13	46.88114	(14120116)
410984.21	3774338.13	43.35007	(12031616)	411029.21	3774338.13	50.25533	(12031616)
411074.21	3774338.13	53.33567	(12031616)	411119.21	3774338.13	52.95379	(12031616)
411164.21	3774338.13	50.02096	(12031616)	411209.21	3774338.13	45.25466	(12031616)
411254.21	3774338.13	39.91006	(12031616)	411299.21	3774338.13	34.22885	(12031616)
410264.21	3774383.13	23.07159	(12022717)	410309.21	3774383.13	24.12273	(12022717)
410354.21	3774383.13	24.48054	(12022717)	410399.21	3774383.13	23.76176	(12022717)
410444.21	3774383.13	26.06089	(12100307)	410489.21	3774383.13	32.42042	(12100307)
410534.21	3774383.13	41.37140	(12021517)	410579.21			

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 3774383.13       97.58502  (12021515)
       410624.21   3774383.13      160.69155  (12021515)                410669.21
 3774383.13      142.64916  (12021515)
       410714.21   3774383.13      140.46253  (12042618)                410759.21
 3774383.13      151.05185  (12042618)
       410804.21   3774383.13       94.74607  (12042618)                410849.21
 3774383.13       88.41338  (14120116)
       410894.21   3774383.13       67.11864  (14120116)                410939.21
 3774383.13       76.86717  (12031616)
       410984.21   3774383.13       79.85475  (12031616)                411029.21
 3774383.13       79.31094  (12031616)
       411074.21   3774383.13       71.78738  (12031616)                411119.21
 3774383.13       62.24287  (12031616)
       411164.21   3774383.13       52.63034  (12031616)                411209.21
 3774383.13       43.31366  (12031616)
       411254.21   3774383.13       34.96677  (12031616)                411299.21
 3774383.13       27.90023  (12031616)
       410264.21   3774428.13       28.59753  (12022717)                410309.21
 3774428.13       32.48886  (12022717)
       410354.21   3774428.13       36.58956  (12022717)                410399.21
 3774428.13       40.57311  (12022717)
       410444.21   3774428.13       43.67783  (12022717)                410489.21
 3774428.13       44.46742  (12022717)
       410534.21   3774428.13       51.82751  (12100307)                410579.21
 3774428.13       85.61082  (12021515)
       410264.21   3774473.13       28.56800  (12022717)                410309.21
 3774473.13       34.49942  (12022717)
       410354.21   3774473.13       42.01540  (12022717)                410399.21
 3774473.13       51.59660  (12022717)
       410444.21   3774473.13       63.76636  (12022717)                410489.21
 3774473.13       78.76047  (12022717)
       410534.21   3774473.13       95.51803  (12022717)                410579.21
 3774473.13      108.66854  (12022717)
       410264.21   3774518.13       22.62442  (12022717)                410309.21
 3774518.13       28.29281  (12022717)
       410354.21   3774518.13       36.03134  (12022717)                410399.21
 3774518.13       46.98057  (12022717)
       410444.21   3774518.13       63.11981  (12022717)                410489.21
 3774518.13       87.95775  (12022717)
       410534.21   3774518.13      129.10865  (12022717)                410579.21
 3774518.13      205.09269  (12022717)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 218
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
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VALUES FOR SOURCE GROUP: CHE   ***
                                  INCLUDING SOURCE(S):   L0000135   , L0000136
 , L0000137   , L0000138   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410264.21   3774563.13   14.35139 (14123015)   410309.21
 3774563.13   17.76462 (14123015)
        410354.21   3774563.13   22.45471 (14123015)   410399.21
 3774563.13   29.37657 (12022717)
        410444.21   3774563.13   39.89568 (12022717)   410489.21
 3774563.13   56.75036 (12022717)
        410534.21   3774563.13   86.32826 (12022717)   410579.21
 3774563.13   146.84590 (12022717)
        410264.21   3774608.13   16.70421 (14123015)   410309.21
 3774608.13   20.28944 (14123015)
        410354.21   3774608.13   24.98128 (14123015)   410399.21
 3774608.13   31.29111 (14123015)
        410444.21   3774608.13   39.93330 (14123015)   410489.21
 3774608.13   51.99003 (14123015)
        410534.21   3774608.13   82.43097 (12020617)   410579.21
 3774608.13   136.86159 (12020617)
        410624.21   3774608.13   235.88072 (12111616)   410759.21
 3774608.13   536.34454 (12121716)
        410804.21   3774608.13   442.16336 (12121716)   410354.21
 3774653.13   21.20047 (14123015)
        410399.21   3774653.13   28.07889 (12020617)   410444.21
 3774653.13   40.37634 (12020617)
        410489.21   3774653.13   56.75932 (12020617)   410534.21
 3774653.13   76.43235 (12111616)
        410579.21   3774653.13   106.03099 (12111616)   410624.21
 3774653.13   118.87230 (12022017)
        410669.21   3774653.13   181.72845 (16032808)   410714.21
 3774653.13   208.97392 (12011615)
        410759.21   3774653.13   195.30810 (12091318)   410804.21
 3774653.13   190.57609 (12091318)
        410354.21   3774698.13   24.53209 (12020617)   410399.21
 3774698.13   31.84484 (12020617)
        410444.21   3774698.13   39.71080 (12020617)   410489.21
 3774698.13   49.64873 (12111616)
        410534.21   3774698.13   60.87876 (12111616)   410579.21
 3774698.13   61.84147 (12111616)

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       410624.21   3774698.13       79.32022  (12022017)                410669.21
 3774698.13      106.29579  (16032808)
       410714.21   3774698.13      127.04944  (12011615)                410759.21
 3774698.13      123.67049  (12110815)
       410804.21   3774698.13      111.65167  (12091318)                410444.21
 3774743.13       34.65045  (12111616)
       410489.21   3774743.13       39.61266  (12111616)                410534.21
 3774743.13       39.20638  (12111616)
       410579.21   3774743.13       47.45713  (12022017)                410624.21
 3774743.13       53.74960  (16010514)
       410669.21   3774743.13       71.14207  (16032808)                410714.21
 3774743.13       83.06812  (12011615)
       410759.21   3774743.13       79.27679  (12110815)                410804.21
 3774743.13       69.14143  (12041018)
       410444.21   3774788.13       27.84830  (12111616)                410489.21
 3774788.13       27.12212  (12111616)
       410534.21   3774788.13       30.06054  (12022017)                410579.21
 3774788.13       36.42589  (12022017)
       410624.21   3774788.13       38.98896  (16010514)                410669.21
 3774788.13       50.87824  (16032808)
       410714.21   3774788.13       59.62372  (12011615)                410759.21
 3774788.13       54.99681  (12110815)
       410804.21   3774788.13       60.86438  (12110815)                410489.21
 3774833.13       21.41011  (12020317)
       410534.21   3774833.13       25.82604  (12022017)                410579.21
 3774833.13       27.43435  (12022017)
       410624.21   3774833.13       31.40940  (16032808)                410669.21
 3774833.13       38.08816  (16032808)
       410714.21   3774833.13       45.77760  (12011615)                410759.21
 3774833.13       43.73395  (12011615)
       410489.21   3774878.13       18.40092  (12022017)                410534.21
 3774878.13       21.36402  (12022017)
       410579.21   3774878.13       22.70195  (16122316)                410624.21
 3774878.13       26.13413  (16032808)
       410669.21   3774878.13       29.81887  (16032808)                410714.21
 3774878.13       37.10830  (12011615)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                 ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 219
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
 , L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
 , L0000011    , L0000012    , L0000013    ,
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                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
 , L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
 , L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410264.21   3774023.13       39.13908  (12100307)               410309.21
 3774023.13       46.36425  (12021515)
        410354.21   3774023.13       65.82936  (12021515)               410399.21
 3774023.13       89.06673  (12021515)
        410444.21   3774023.13      111.45645  (12021515)               410489.21
 3774023.13      125.77472  (12021515)
        410534.21   3774023.13      125.99198  (12021515)               410579.21
 3774023.13      111.15244  (12021515)
        410624.21   3774023.13       86.84838  (12021515)               410669.21
 3774023.13       75.63120  (15122816)
        410714.21   3774023.13       85.05173  (12101116)               410759.21
 3774023.13       91.17063  (12101116)
        410804.21   3774023.13       96.59123  (12042618)               410849.21
 3774023.13      110.33301  (12042618)
        410894.21   3774023.13      113.19299  (12042618)               410939.21
 3774023.13      105.27482  (12042618)
        410984.21   3774023.13       90.19199  (12042618)               411029.21
 3774023.13       72.61525  (12042618)
        411074.21   3774023.13       56.15667  (12042618)               411119.21
 3774023.13       51.95813  (14120116)
        411164.21   3774023.13       52.10326  (14120116)               411209.21
 3774023.13       50.42025  (14120116)
        411254.21   3774023.13       47.37042  (14120116)               411299.21
 3774023.13       43.44261  (14120116)
        410264.21   3774068.13       43.13875  (12100307)               410309.21
 3774068.13       46.51159  (12100307)
        410354.21   3774068.13       62.54393  (12021515)               410399.21
 3774068.13       88.13220  (12021515)
        410444.21   3774068.13      116.08475  (12021515)               410489.21
 3774068.13      138.20755  (12021515)
        410534.21   3774068.13      145.17558  (12021515)               410579.21
 3774068.13      132.87199  (12021515)
        410624.21   3774068.13      105.90927  (12021515)               410669.21
 3774068.13       85.68412  (15122816)
        410714.21   3774068.13       97.47764  (12101116)               410759.21
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 3774068.13      103.33265  (12101116)
       410804.21   3774068.13      115.48805  (12042618)                410849.21
 3774068.13      127.97379  (12042618)
       410894.21   3774068.13      126.19023  (12042618)                410939.21
 3774068.13      112.36681  (12042618)
       410984.21   3774068.13       92.32087  (12042618)                411029.21
 3774068.13       71.77729  (12042618)
       411074.21   3774068.13       60.93391  (14120116)                411119.21
 3774068.13       61.30059  (14120116)
       411164.21   3774068.13       59.14772  (14120116)                411209.21
 3774068.13       55.21438  (14120116)
       411254.21   3774068.13       50.19834  (14120116)                411299.21
 3774068.13       46.47626  (12012517)
       410264.21   3774113.13       47.81401  (12100307)                410309.21
 3774113.13       52.04569  (12100307)
       410354.21   3774113.13       58.72071  (12021515)                410399.21
 3774113.13       85.58316  (12021515)
       410444.21   3774113.13      118.73311  (12021515)                410489.21
 3774113.13      150.01904  (12021515)
       410534.21   3774113.13      166.71851  (12021515)                410579.21
 3774113.13      159.53831  (12021515)
       410624.21   3774113.13      130.60418  (12021515)                410669.21
 3774113.13       98.16253  (15122816)
       410714.21   3774113.13      113.01119  (12101116)                410759.21
 3774113.13      118.16219  (12101116)
       410804.21   3774113.13      138.88390  (12042618)                410849.21
 3774113.13      148.24788  (12042618)
       410894.21   3774113.13      139.50716  (12042618)                410939.21
 3774113.13      118.31187  (12042618)
       410984.21   3774113.13       93.08467  (12042618)                411029.21
 3774113.13       72.41245  (14120116)
       411074.21   3774113.13       73.17267  (14120116)                411119.21
 3774113.13       70.45590  (14120116)
       411164.21   3774113.13       65.22050  (14120116)                411209.21
 3774113.13       58.64164  (14120116)
       411254.21   3774113.13       53.68935  (12012517)                411299.21
 3774113.13       49.30623  (12012517)
       410264.21   3774158.13       53.26470  (12100307)                410309.21
 3774158.13       58.72295  (12100307)
       410354.21   3774158.13       64.35060  (12100307)                410399.21
 3774158.13       81.70943  (12021515)
       410444.21   3774158.13      119.09794  (12021515)                410489.21
 3774158.13      160.33437  (12021515)
       410534.21   3774158.13      190.08593  (12021515)                410579.21
 3774158.13      192.19889  (12021515)
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***       15:36:09
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410624.21	3774158.13	163.24140	(12021515)	410669.21	3774158.13	117.56383	(12021515)
410714.21	3774158.13	132.86375	(12101116)	410759.21	3774158.13	141.92207	(12042618)
410804.21	3774158.13	168.04839	(12042618)	410849.21	3774158.13	171.24828	(12042618)
410894.21	3774158.13	152.52875	(12042618)	410939.21	3774158.13	122.64371	(12042618)
410984.21	3774158.13	92.49411	(12042618)	411029.21	3774158.13	88.97039	(14120116)
411074.21	3774158.13	85.47008	(14120116)	411119.21	3774158.13	78.40331	(14120116)
411164.21	3774158.13	69.50162	(14120116)	411209.21	3774158.13	62.57842	(12012517)
411254.21	3774158.13	62.98305	(12031616)	411299.21	3774158.13	68.82430	(12031616)
410264.21	3774203.13	59.74553	(12100307)	410309.21	3774203.13	66.95041	(12100307)
410354.21	3774203.13	74.44916	(12100307)	410399.21	3774203.13	82.04375	(12100307)
410444.21	3774203.13	117.10249	(12021515)	410489.21	3774203.13	168.25558	(12021515)
410534.21	3774203.13	214.68374	(12021515)	410579.21	3774203.13	232.03793	(12021515)
410624.21	3774203.13	206.69804	(12021515)	410669.21	3774203.13	151.41220	(12021515)

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       410714.21   3774203.13      159.02729  (12101116)               410759.21
3774203.13      179.55263  (12042618)
       410804.21   3774203.13      204.59282  (12042618)               410849.21
3774203.13      196.83158  (12042618)
       410894.21   3774203.13      164.37085  (12042618)               410939.21
3774203.13      125.05488  (12042618)
       410984.21   3774203.13      110.66039  (14120116)               411029.21
3774203.13      106.23258  (14120116)
       411074.21   3774203.13       96.40431  (14120116)               411119.21
3774203.13       83.91543  (14120116)
       411164.21   3774203.13       78.13252  (12031616)               411209.21
3774203.13       86.00647  (12031616)
       411254.21   3774203.13       92.12618  (12031616)               411299.21
3774203.13       95.86877  (12031616)
       410264.21   3774248.13       67.85378  (12100307)               410309.21
3774248.13       77.66223  (12100307)
       410354.21   3774248.13       87.98667  (12100307)               410399.21
3774248.13       98.33623  (12100307)
       410444.21   3774248.13      113.83781  (12021515)               410489.21
3774248.13      173.28838  (12021515)
       410534.21   3774248.13      239.51776  (12021515)               410579.21
3774248.13      280.24276  (12021515)
       410624.21   3774248.13      266.20511  (12021515)               410669.21
3774248.13      200.91443  (12021515)
       410714.21   3774248.13      194.90304  (12101116)               410759.21
3774248.13      231.51719  (12042618)
       410804.21   3774248.13      250.64442  (12042618)               410849.21
3774248.13      224.21620  (12042618)
       410894.21   3774248.13      174.03643  (12042618)               410939.21
3774248.13      141.77233  (14120116)
       410984.21   3774248.13      136.23214  (14120116)               411029.21
3774248.13      122.29927  (14120116)
       411074.21   3774248.13      104.04747  (14120116)               411119.21
3774248.13      110.65755  (12031616)
       411164.21   3774248.13      119.24919  (12031616)               411209.21
3774248.13      123.55834  (12031616)
       411254.21   3774248.13      125.08491  (12031616)               411299.21
3774248.13      122.75436  (12031616)
       410264.21   3774293.13       78.50918  (12100307)               410309.21
3774293.13       93.18801  (12100307)
       410354.21   3774293.13      108.24286  (12100307)               410399.21
3774293.13      122.66017  (12100307)
       410444.21   3774293.13      136.71150  (12100307)               410489.21
3774293.13      176.71897  (12021515)
       410534.21   3774293.13      264.62459  (12021515)               410579.21
3774293.13      338.86377  (12021515)
       410624.21   3774293.13      348.89094  (12021515)               410669.21
3774293.13      276.80216  (12021515)
       410714.21   3774293.13      246.86153  (12101116)               410759.21
3774293.13      306.36859  (12042618)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410984.21	3774293.13	162.03532	(14120116)	411029.21	3774293.13	147.97014	(12031616)
411074.21	3774293.13	161.44491	(12031616)	411119.21	3774293.13	167.69393	(12031616)
411164.21	3774293.13	167.62696	(12031616)	411209.21	3774293.13	160.95305	(12031616)
411254.21	3774293.13	152.29778	(12031616)	411299.21	3774293.13	140.77040	(12031616)
410264.21	3774338.13	108.83722	(12022717)	410309.21	3774338.13	121.81245	(12100307)
410354.21	3774338.13	147.00890	(12100307)	410399.21	3774338.13	167.14141	(12100307)
410444.21	3774338.13	185.96298	(12100307)	410489.21	3774338.13	205.86893	(12100307)
410534.21	3774338.13	295.29711	(12021515)	410579.21	3774338.13	415.40848	(12021515)
410624.21	3774338.13	468.86370	(12021515)	410669.21			

3774338.13 402.91399 (12021515)
410714.21 3774338.13 341.27766 (12042618) 410759.21
3774338.13 422.18797 (12042618)
410804.21 3774338.13 385.88687 (12042618) 410849.21
3774338.13 282.49058 (12042618)
410894.21 3774338.13 261.47535 (14120116) 410939.21
3774338.13 230.21571 (14120116)
410984.21 3774338.13 234.69212 (12031616) 411029.21
3774338.13 247.21875 (12031616)
411074.21 3774338.13 240.92878 (12031616) 411119.21
3774338.13 224.70065 (12031616)
411164.21 3774338.13 204.59234 (12031616) 411209.21
3774338.13 182.50405 (12031616)
411254.21 3774338.13 162.00996 (12031616) 411299.21
3774338.13 142.67341 (12031616)
410264.21 3774383.13 184.17679 (12022717) 410309.21
3774383.13 235.68555 (12100307)
410354.21 3774383.13 290.35701 (12100307) 410399.21
3774383.13 312.25213 (12100307)
410444.21 3774383.13 331.91762 (12100307) 410489.21
3774383.13 355.19331 (12100307)
410534.21 3774383.13 387.78228 (12100307) 410579.21
3774383.13 571.15362 (12021515)
410624.21 3774383.13 677.15292 (12021515) 410669.21
3774383.13 660.21613 (12021515)
410714.21 3774383.13 558.67005 (12042618) 410759.21
3774383.13 638.70944 (12042618)
410804.21 3774383.13 511.53396 (12042618) 410849.21
3774383.13 430.62754 (14120116)
410894.21 3774383.13 410.61274 (12031616) 410939.21
3774383.13 438.10846 (12031616)
410984.21 3774383.13 419.29208 (12031616) 411029.21
3774383.13 358.56978 (12031616)
411074.21 3774383.13 296.71640 (12031616) 411119.21
3774383.13 248.24939 (12031616)
411164.21 3774383.13 209.70084 (12031616) 411209.21
3774383.13 177.67603 (12031616)
411254.21 3774383.13 151.61123 (12031616) 411299.21
3774383.13 130.49406 (12031616)
410264.21 3774428.13 157.27375 (12022717) 410309.21
3774428.13 246.50811 (12100307)
410354.21 3774428.13 320.39805 (12100307) 410399.21
3774428.13 364.24913 (12100307)
410444.21 3774428.13 408.49434 (12100307) 410489.21
3774428.13 464.61825 (12100307)
410534.21 3774428.13 548.87937 (12100307) 410579.21
3774428.13 768.76178 (12100307)
410264.21 3774473.13 123.61550 (12022717) 410309.21
3774473.13 146.40904 (12022717)
410354.21 3774473.13 173.43233 (12022717) 410399.21

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
 , L0000027   , L0000028   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410264.21   3774563.13   87.89761 (12100307)   410309.21
 3774563.13   105.23427 (12100307)
        410354.21   3774563.13   127.02118 (12100307)   410399.21
 3774563.13   155.56982 (12100307)
        410444.21   3774563.13   196.40969 (12100307)   410489.21
 3774563.13   262.55926 (12100307)
        410534.21   3774563.13   395.40397 (12022717)   410579.21
 3774563.13   826.64336 (12100307)

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       410264.21   3774608.13       82.93101  (12100307)              410309.21
3774608.13       98.20113  (12100307)
       410354.21   3774608.13      117.79146  (12100307)              410399.21
3774608.13      143.95816  (12100307)
       410444.21   3774608.13      181.38605  (12100307)              410489.21
3774608.13      240.26649  (12100307)
       410534.21   3774608.13      348.00621  (12100307)              410579.21
3774608.13      634.75089  (12100307)
       410624.21   3774608.13      951.08987  (12100307)              410759.21
3774608.13     2392.58644  (12121716)
       410804.21   3774608.13     1609.42245  (12121716)              410354.21
3774653.13      109.33485  (12100307)
       410399.21   3774653.13      132.31119  (12100307)              410444.21
3774653.13      164.22267  (12100307)
       410489.21   3774653.13      211.19040  (12100307)              410534.21
3774653.13      285.12752  (12100307)
       410579.21   3774653.13      407.47033  (12100307)              410624.21
3774653.13      590.87901  (12100307)
       410669.21   3774653.13      844.54995  (12100307)              410714.21
3774653.13     1026.80032  (12100307)
       410759.21   3774653.13      909.54978  (12091318)              410804.21
3774653.13      871.08575  (12121716)
       410354.21   3774698.13      100.90017  (12100307)              410399.21
3774698.13      120.43604  (12100307)
       410444.21   3774698.13      146.35699  (12100307)              410489.21
3774698.13      181.70934  (12100307)
       410534.21   3774698.13      230.71963  (12100307)              410579.21
3774698.13      297.29278  (12100307)
       410624.21   3774698.13      381.25650  (12100307)              410669.21
3774698.13      478.07717  (12100307)
       410714.21   3774698.13      600.55776  (12100307)              410759.21
3774698.13      661.92762  (12100307)
       410804.21   3774698.13      614.39290  (12091318)              410444.21
3774743.13      129.88213  (12111616)
       410489.21   3774743.13      155.63994  (12100307)              410534.21
3774743.13      189.13602  (12100307)
       410579.21   3774743.13      230.44400  (12100307)              410624.21
3774743.13      278.39756  (12100307)
       410669.21   3774743.13      330.80672  (12100307)              410714.21
3774743.13      390.66322  (12100307)
       410759.21   3774743.13      495.86111  (12100307)              410804.21
3774743.13      602.82527  (12100307)
       410444.21   3774788.13      113.98321  (12100307)              410489.21
3774788.13      133.87426  (12100307)
       410534.21   3774788.13      158.01929  (12100307)              410579.21
3774788.13      186.80334  (12100307)
       410624.21   3774788.13      220.48790  (12100307)              410669.21
3774788.13      260.26517  (12100307)
       410714.21   3774788.13      312.02315  (12100307)              410759.21
3774788.13      400.02990  (12100307)
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*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ARROW	1ST HIGHEST VALUE IS	40.75990	AT (410759.21, 3774833.13, 128.64, 157.24, 0.00)	DC	
	2ND HIGHEST VALUE IS	38.29943	AT (410804.21, 3774788.13, 129.22, 157.24, 0.00)	DC	
	3RD HIGHEST VALUE IS	29.15034	AT (410714.21, 3774878.13, 129.12, 157.24, 0.00)	DC	
	4TH HIGHEST VALUE IS	12.30655	AT (410759.21, 3774788.13, 127.63, 157.24, 0.00)	DC	
	5TH HIGHEST VALUE IS	12.17196	AT (410804.21, 3774743.13, 128.59, 157.16, 0.00)	DC	
	6TH HIGHEST VALUE IS	11.85195	AT (410714.21, 3774833.13, 127.55, 157.24, 0.00)	DC	
	7TH HIGHEST VALUE IS	8.61060	AT (410669.21, 3774878.13, 127.40, 157.24, 0.00)	DC	

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          8TH HIGHEST VALUE IS       6.45018 AT (  410759.21,  3774743.13,
127.59,   157.24,    0.00)  DC
          9TH HIGHEST VALUE IS       6.42969 AT (  410804.21,  3774698.13,
128.90,   157.16,    0.00)  DC
         10TH HIGHEST VALUE IS       6.17789 AT (  410714.21,  3774788.13,
126.63,   157.24,    0.00)  DC

LIVEOAK   1ST HIGHEST VALUE IS      32.78880 AT (  410579.21,  3774428.13,
125.27,   125.27,    0.00)  DC
          2ND HIGHEST VALUE IS      30.88369 AT (  410534.21,  3774428.13,
125.02,   125.02,    0.00)  DC
          3RD HIGHEST VALUE IS      29.09046 AT (  410489.21,  3774428.13,
124.81,   124.81,    0.00)  DC
          4TH HIGHEST VALUE IS      27.27367 AT (  410444.21,  3774428.13,
124.58,   124.58,    0.00)  DC
          5TH HIGHEST VALUE IS      25.34453 AT (  410399.21,  3774428.13,
124.58,   124.58,    0.00)  DC
          6TH HIGHEST VALUE IS      22.67763 AT (  410354.21,  3774428.13,
124.41,   124.41,    0.00)  DC
          7TH HIGHEST VALUE IS      19.92553 AT (  410399.21,  3774383.13,
124.16,   124.16,    0.00)  DC
          8TH HIGHEST VALUE IS      19.66274 AT (  410444.21,  3774383.13,
124.54,   124.54,    0.00)  DC
          9TH HIGHEST VALUE IS      19.54982 AT (  410354.21,  3774383.13,
123.75,   123.75,    0.00)  DC
         10TH HIGHEST VALUE IS      19.12028 AT (  410489.21,  3774383.13,
124.39,   124.39,    0.00)  DC

STEWARTR  1ST HIGHEST VALUE IS      41.77849 AT (  410579.21,  3774473.13,
125.72,   125.72,    0.00)  DC
          2ND HIGHEST VALUE IS      41.60466 AT (  410579.21,  3774518.13,
126.51,   126.51,    0.00)  DC
          3RD HIGHEST VALUE IS      39.66616 AT (  410579.21,  3774563.13,
126.58,   126.58,    0.00)  DC
          4TH HIGHEST VALUE IS      33.64831 AT (  410714.21,  3774653.13,
127.28,   127.28,    0.00)  DC
          5TH HIGHEST VALUE IS      32.87519 AT (  410624.21,  3774608.13,
126.81,   126.81,    0.00)  DC
          6TH HIGHEST VALUE IS      30.26629 AT (  410759.21,  3774698.13,
128.25,   157.16,    0.00)  DC
          7TH HIGHEST VALUE IS      28.21904 AT (  410759.21,  3774653.13,
127.85,   157.16,    0.00)  DC
          8TH HIGHEST VALUE IS      27.90742 AT (  410804.21,  3774698.13,
128.90,   157.16,    0.00)  DC
          9TH HIGHEST VALUE IS      27.77536 AT (  410804.21,  3774743.13,
128.59,   157.16,    0.00)  DC
         10TH HIGHEST VALUE IS      24.30231 AT (  410579.21,  3774608.13,
127.00,   127.00,    0.00)  DC

IDLE      1ST HIGHEST VALUE IS      22.76501 AT (  410759.21,  3774608.13,
```

127.94,   127.94,   0.00) DC
          2ND HIGHEST VALUE IS   12.26609 AT (410804.21, 3774608.13,
128.82,   157.16,   0.00) DC
          3RD HIGHEST VALUE IS   11.77057 AT (410624.21, 3774608.13,
126.81,   126.81,   0.00) DC
          4TH HIGHEST VALUE IS   11.51735 AT (410714.21, 3774653.13,
127.28,   127.28,   0.00) DC
          5TH HIGHEST VALUE IS   9.95119 AT (410669.21, 3774653.13,
127.40,   127.40,   0.00) DC
          6TH HIGHEST VALUE IS   9.86322 AT (410759.21, 3774653.13,
127.85,   157.16,   0.00) DC
          7TH HIGHEST VALUE IS   7.42165 AT (410804.21, 3774653.13,
128.48,   157.16,   0.00) DC
          8TH HIGHEST VALUE IS   6.77336 AT (410579.21, 3774563.13,
126.58,   126.58,   0.00) DC
          9TH HIGHEST VALUE IS   6.54569 AT (410624.21, 3774653.13,
126.78,   126.78,   0.00) DC
         10TH HIGHEST VALUE IS   6.37770 AT (410579.21, 3774518.13,
126.51,   126.51,   0.00) DC

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                     *** THE SUMMARY OF MAXIMUM PERIOD (43848
HRS) RESULTS ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
               **

                        NETWORK
GROUP ID   AVERAGE CONC   RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- -
- - - - - - - - - - - - - - - - - - -

ONSITE   1ST HIGHEST VALUE IS   46.35594 AT (410759.21, 3774608.13,
127.94,   127.94,   0.00) DC
          2ND HIGHEST VALUE IS   23.42795 AT (410714.21, 3774653.13,
127.28,   127.28,   0.00) DC
          3RD HIGHEST VALUE IS   17.64175 AT (410759.21, 3774653.13,
127.85,   157.16,   0.00) DC
          4TH HIGHEST VALUE IS   17.15509 AT (410804.21, 3774608.13,
128.82,   157.16,   0.00) DC
          5TH HIGHEST VALUE IS   13.97676 AT (410669.21, 3774653.13,

```
127.40,   127.40,    0.00)  DC
          6TH HIGHEST VALUE IS      10.89227 AT (  410804.21,  3774653.13,
128.48,   157.16,    0.00)  DC
          7TH HIGHEST VALUE IS      10.34232 AT (  410624.21,  3774608.13,
126.81,   126.81,    0.00)  DC
          8TH HIGHEST VALUE IS       7.62144 AT (  410714.21,  3774698.13,
127.38,   157.16,    0.00)  DC
          9TH HIGHEST VALUE IS       7.25866 AT (  410759.21,  3774698.13,
128.25,   157.16,    0.00)  DC
         10TH HIGHEST VALUE IS       7.01351 AT (  410624.21,  3774653.13,
126.78,   126.78,    0.00)  DC

GENS      1ST HIGHEST VALUE IS       0.02266 AT (  410804.21,  3774653.13,
128.48,   157.16,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02158 AT (  410804.21,  3774608.13,
128.82,   157.16,    0.00)  DC
          3RD HIGHEST VALUE IS       0.01798 AT (  410804.21,  3774698.13,
128.90,   157.16,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01796 AT (  410759.21,  3774608.13,
127.94,   127.94,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01737 AT (  410759.21,  3774653.13,
127.85,   157.16,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01271 AT (  410804.21,  3774743.13,
128.59,   157.16,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01212 AT (  410759.21,  3774698.13,
128.25,   157.16,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00882 AT (  410804.21,  3774788.13,
129.22,   157.24,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00870 AT (  410759.21,  3774743.13,
127.59,   157.24,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00771 AT (  410579.21,  3774563.13,
126.58,   126.58,    0.00)  DC

CHE       1ST HIGHEST VALUE IS      18.77978 AT (  410759.21,  3774608.13,
127.94,   127.94,    0.00)  DC
          2ND HIGHEST VALUE IS      14.14431 AT (  410624.21,  3774608.13,
126.81,   126.81,    0.00)  DC
          3RD HIGHEST VALUE IS      10.66565 AT (  410804.21,  3774608.13,
128.82,   157.16,    0.00)  DC
          4TH HIGHEST VALUE IS      10.63657 AT (  410714.21,  3774653.13,
127.28,   127.28,    0.00)  DC
          5TH HIGHEST VALUE IS      10.01782 AT (  410669.21,  3774653.13,
127.40,   127.40,    0.00)  DC
          6TH HIGHEST VALUE IS       8.88031 AT (  410759.21,  3774653.13,
127.85,   157.16,    0.00)  DC
          7TH HIGHEST VALUE IS       8.30271 AT (  410579.21,  3774563.13,
126.58,   126.58,    0.00)  DC
          8TH HIGHEST VALUE IS       7.77417 AT (  410579.21,  3774518.13,
126.51,   126.51,    0.00)  DC
          9TH HIGHEST VALUE IS       7.10581 AT (  410624.21,  3774653.13,
```

```
126.78,   126.78,    0.00)  DC
         10TH HIGHEST VALUE IS       6.71811 AT (  410804.21,  3774653.13,
128.48,   157.16,    0.00)  DC

ALL       1ST HIGHEST VALUE IS     103.90459 AT (  410759.21,  3774608.13,
127.94,   127.94,    0.00)  DC
          2ND HIGHEST VALUE IS      82.75652 AT (  410714.21,  3774653.13,
127.28,   127.28,    0.00)  DC
          3RD HIGHEST VALUE IS      72.04328 AT (  410624.21,  3774608.13,
126.81,   126.81,    0.00)  DC
          4TH HIGHEST VALUE IS      68.89171 AT (  410759.21,  3774653.13,
127.85,   157.16,    0.00)  DC
          5TH HIGHEST VALUE IS      65.46569 AT (  410579.21,  3774518.13,
126.51,   126.51,    0.00)  DC
          6TH HIGHEST VALUE IS      65.34891 AT (  410579.21,  3774428.13,
125.27,   125.27,    0.00)  DC
          7TH HIGHEST VALUE IS      65.19930 AT (  410579.21,  3774473.13,
125.72,   125.72,    0.00)  DC
          8TH HIGHEST VALUE IS      63.41868 AT (  410579.21,  3774563.13,
126.58,   126.58,    0.00)  DC
          9TH HIGHEST VALUE IS      60.75139 AT (  410669.21,  3774653.13,
127.40,   127.40,    0.00)  DC
         10TH HIGHEST VALUE IS      57.05751 AT (  410804.21,  3774788.13,
129.22,   157.24,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 225
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
              **

                                                    DATE
                                        NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

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- - - - - - - - - - - - - - - - - - - - - - - -

ARROW    HIGH   1ST HIGH VALUE IS     420.40632  ON 12100307: AT (  410759.21,
3774833.13,   128.64,   157.24,    0.00)  DC

LIVEOAK  HIGH   1ST HIGH VALUE IS     387.22567  ON 12121716: AT (  410579.21,
3774428.13,   125.27,   125.27,    0.00)  DC

STEWARTR HIGH   1ST HIGH VALUE IS     457.13458  ON 12121716: AT (  410714.21,
3774653.13,   127.28,   127.28,    0.00)  DC

IDLE     HIGH   1ST HIGH VALUE IS     581.94613  ON 12121716: AT (  410759.21,
3774608.13,   127.94,   127.94,    0.00)  DC

ONSITE   HIGH   1ST HIGH VALUE IS    1095.93776  ON 12121716: AT (  410759.21,
3774608.13,   127.94,   127.94,    0.00)  DC

GENS     HIGH   1ST HIGH VALUE IS      63.86536  ON 12121315: AT (  410534.21,
3774518.13,   126.46,   126.46,    0.00)  DC

CHE      HIGH   1ST HIGH VALUE IS     536.34454  ON 12121716: AT (  410759.21,
3774608.13,   127.94,   127.94,    0.00)  DC

ALL      HIGH   1ST HIGH VALUE IS    2392.58644  ON 12121716: AT (  410759.21,
3774608.13,   127.94,   127.94,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↟ *** AERMOD - VERSION 23132  ***   *** C:\Lakes\AERMOD
View\Irwindale_Ops\Irwindale_Ops.isc                  ***        01/08/24
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:36:09

                                  PAGE 226
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of         1684 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of           75 Calm Hours Identified
```

```
A Total of         1609 Missing Hours Identified (  3.67 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     425        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
ME W186    2238       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187    2238       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

Appendix C

Tree Assessment Report

Kimley»Horn

Consulting Arborist's Report
Sepember 15, 2022

Tree Assessment Report

14005 Live Oak, Irwindale

Prepared for:

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Rodarte Landscape Architecture
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San Diego, CA 92101

Prepared by:

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Table of Contents

INTRODUCTION **1**
BACKGROUND 1
ASSIGNMENT 2
EXECUTIVE SUMMARY **3**
OVERVIEW OF CONDITIONS AND RECOMMENDATIONS 3
FINDINGS **5**
GENERAL 5
ARIAL SITE MAP 7
STUDY AREA & TREE MAP 8
MATRIX OF FINDINGS 9
Abbreviations 12
ANALYSIS **13**
REASONS FOR REMOVAL OF SITE TREES 13
PROTECTION OF NEIGHBOR'S TREES 14
CONSTRUCTION IMPACTS 15
GENERAL TREE PRESERVATION 15
PHOTOGRAPHIC DOCUMENTATION 16
RECOMMENDATIONS **30**
MATRIX OF RECOMMENDATIONS 30
TREE PRESERVATION 34
APPENDIX **35**
RESUME: 36
ASSUMPTIONS AND LIMITING CONDITIONS 37
CERTIFICATION 38
GLOSSARY 39

Introduction

Background

Rodarte Landscape Architects is designing a new landscape for the site at 14005 Live Oak Avenue, in the City of Irwindale, California. This site is near the intersection of Ramona Boulevard and the 605 Freeway. At the time of my site inspection the existing businesses was in operation, but the parking lot was half empty.

There are no trees protected by City ordinance and no City ordinance affecting these trees. The enclosed tree location map shows the approximate location of the 78 trees in the designated area. The overall site has a minor slope from north to south. The enclosed tree location map is used as a base map to give approximate tree locations (not surveyed by this consultant).

The purpose of this report is to help analyze the impact of the project on the existing trees, especially the neighbor's trees along their common property line, and satisfy City of Irwindale requirements and questions. The current plans are to fully clear existing trees along most of the west edge that are within the property lines, and few or none may be retained. Almost the entire west half of the site will be cleared for a proposed 100,380 square foot warehouse.

This report is intended to provide an inventory of existing trees and their condition and estimate of how many can remain, as well as recommendations of how to preserve as many as possible.

Assignment

Arborgate Consulting will review and provide arboricultural evaluation of about 80 trees' health and condition, professional opinions, and report as appropriate for the City of Irwindale. Photographs will be included to illustrate important points. All trees over 8” caliper and all protected trees over 4” caliper will be included.

Executive Summary

Overview of Conditions and Recommendations

The subject property is on Live Oak Avenue, bordered by Rivergrade Road on the north, and Stewart Avenue on the west. There is no neighbor on the east yet, only a vacant lot. There is an open parking lot to the northeast along Rivergrade Road, but not associated with this project.

This site contains a mix of native and exotic trees, but no protected, rare, endangered, native or street trees were found. No tree species were found that are listed as federally threatened or endangered by the USFWS; or State listed as threatened or endangered or considered sensitive by the CDFW; and/or, are CNPS List 1A, 1B, or 2 species, as recognized in the CNPS's Inventory of Rare and Endangered Vascular Plants of California.

Representative photographs can be found later in this report, starting on page 16. The focus of this report is the health and condition of the existing tree resource. For the purposes of this report, the limit of grading is unknown. The Recommendations Matrix will list the clearance requirements necessary to retain health and stability.

Generally, the trees are in good health and fair structural condition. Most have escaped the ravages of typical low bid pruning. However, there are a number that need corrective pruning to correct codominant stems, included bark or

overly long limbs. A few of the site trees have some value, but not enough to warrant boxing, storing and replanting in a new landscape design.

Nearly all the trees are in or on the edge of the parking lot, though some are near the edge of the building and the parking lot. All the trees have at least one limit to their root spread, either the curb around a parking island or planter, or a curb at the edge of a perimeter planting area. Thus, nearly all the trees will have a limit to their useful life span.

Almost the entire west half of the site will be cleared for a proposed 100,380 square foot warehouse. The parking islands on the east will be removed for truck access and many edge trees are likely to be impacted to accommodate the revised parking arrangement.

Findings

General

The designated area of study contains 78 trees over 4 inches in trunk diameter. The tallest are the California sycamores, and the largest of those are 18 inches in trunk diameter. Most of the sycamores are currently allowed to grow in a more vertical form. Several have dead tops, which resulted in the lower branches growing wider. The trees along the east edge are mostly of low value, due to poor maintenance, poor pruning, and some like the Mexican fan palms may be weeds. Most are the California sycamores, *Platanus racemosa*; then carrotwoods, *Cupaniopsis anacardioides*, and the rest are Silver Mountain gums, *Eucalyptus polyanthemos*. There are no rare, endangered or protected species on this site or immediately adjoining.

To my knowledge the preservation of the trees on the east side of this property will be a design decision, based on practicality, considering grading and construction issues. There are signs of past heading, topping and over-pruning, which are all decried in all arboricultural texts and standards, weakens their future structure, and is hard on their health. Fortunately, that has not continued recently, though the effects of it remain.

There are no clear street trees, but there are trees along Live Oak, Stewart and Rivergrade. If they are under City jurisdiction or not is unknown. There is no apparent difference in species, maintenance or size.

Any efforts to save trees by transplanting would cost more than new trees, and leave weak and declining trees. New trees would not, or should not, have the same defects common to these trees. The eucalypts do not transplant successfully. The sycamores can be easily transplanted in winter, but transplanting would be disproportionately expensive considering their value.

The pest or disease issues are factors in the above considerations, The sycamores show minor signs of flathead borers and a few had symptoms of the invasive shot-hole borer. The shot-hole borer spreads three fungal diseases that increase decay and limb drop. Since the majority of trees are sycamores, which are favorite food for these insects, any new planting should be with other species.

Arial Site Map



The site is outlined in red.

Study Area & Tree Map



Matrix of Findings

Tree#	Species	DBH	Ht	Wd	Health	Condition	Root cond.	Comments
1	Cupaniopsis anacardioides	14	25	28	B	D	okay	TO in main crotch, epi
2	Eucalyptus polyanthemos	9	14	16	C	C-	turf	T-bow 1s mDb
3	Platanus racemosa	14	30	30	B	C	okay	Cod 2long Xing
4	Platanus racemosa	14	40	30	B	C	Sh	Cod inc 2long
5	Eucalyptus polyanthemos	8	18	14	B	C-	Sh turf	T-bow 1s DL
6	Platanus racemosa	11	35	18	B	B	okay	Cod
7	Cupaniopsis anacardioides	9	22	18	C	D	turf	Cod inc TO Xing
8	Cupaniopsis anacardioides	11	30	16	C	D	turf	Cod inc Lt
9	Platanus racemosa	15	35	18	D-	D	okay	Near dead PSHB
10	Platanus racemosa	13	40	24	B	C	okay	Cod 2long Xing
11	Cupaniopsis anacardioides	9	20	20	C-	D	turf	Cod inc Xing Sp Wwinj
12	Cupaniopsis anacardioides	8	24	18	C-	D	turf	Cod WWinj Tinj Xing Sp
13	Cupaniopsis anacardioides	9	22	20	C-	D	turf	Cod WWinj Xing Sp
14	Cupaniopsis anacardioides	9	20	20	C-	D	turf	Cod inc WWinj Xing epi
15	Platanus racemosa	16	35	35	B	C	Sh	Cod 2long
16	Platanus racemosa	14	40	40	B	C	okay	Cod DL
17	Cupaniopsis anacardioides	4+3	24	18	C	C-	okay	Cod inc Sp
18	Platanus racemosa	15	35	30	B	C	Sh	Cod lean FH
19	Platanus racemosa	12	30	30	C	D	Sh	Cod Xing DL
20	Platanus racemosa	15	45	30	C	C-	Sh	Cod Hd DL
21	Platanus racemosa	5+5	35	18	C	C-	Sh	Stmp sprts, Sp
22	Platanus racemosa	18	45	40	C	C	okay	Cod CrS 2long FH

Tree#	Species	DBH	Ht	Wd	Health	Condition	Root cond.	Comments
23	Cupaniopsis anacardioides	8	16	16	D	D	turf	Cod inc Db CrS pale
24	Eucalyptus polyanthemos	11	30	30	C	C	turf	Sp 1s cod
25	Eucalyptus polyanthemos	5	12	12	C-	D	turf	Db cod CrS Sp
26	Platanus racemosa	7	30	20	C-	C-	med-isl	Db cod Sp
27	Platanus racemosa	8	25	18	C-	D	med-isl	Db cod Sp TO Dk
28	Platanus racemosa	10	30	22	C	C	med-isl	mDb cod TO mDk
29	Platanus racemosa	7	30	22	B	B	med-isl	2long
30	Platanus racemosa	7	30	24	C	C-	med-isl	Cod 2long Db
31	Platanus racemosa	9	35	24	C	C	med-isl	Cod 2long Db
32	Platanus racemosa	11	45	30	B	B	med-isl	2long FH
33	Platanus racemosa	14	50	30	B	C	med-isl	Cod 2long DL
34	Platanus racemosa	15	50	30	B	B	med-isl	Cod 2long DL Tinj
35	Platanus racemosa	15	50	30	B	C	med-isl	Cod inc FH
36	Platanus racemosa	9	20	18	C	D	med-isl	Cod TDK top-dead
37	Platanus racemosa	11	45	25	B	C	med-isl	Cod CrS DL
38	Platanus racemosa	12	50	30	B	D	Bldg	TDK Hazard
39	Platanus racemosa	10	40	30	B	C-	Bldg	Topd cod DL Hd
40	Platanus racemosa	18	45	35	C	C-	Bldg	Topd cod DL Hd epi
41	Platanus racemosa	17	45	35	B	C	Bldg	Cod CrS epi Hd DL
42	Platanus racemosa	8	20	15	C	C-	sml-isl	Topd mDb
43	Platanus racemosa	8	22	18	C	B	sml-isl	mDb epi
44	Platanus racemosa	8	18	13	D	D	sml-isl	TDK canker topd
45	Platanus racemosa	17	40	26	B	C	end isl	Hd Db
46	Eucalyptus polyanthemos	17	42	36	B	C-	Bldg N edge	Leans cod inc Xing Lt

Tree#	Species	DBH	Ht	Wd	Health	Condition	Root cond.	Comments
47	Cupaniopsis anacardioides	16 @ 1'	35	35	C	C-	N parking edge	Cod inc Xing 2long
48	Eucalyptus sp.	16	40	36	C-	C-	N parking edge	Cod Xing mDb
49	Eucalyptus polyanthemos	10	14	16	B	C-	N parking edge	T-bow 1s leans at 30^{o}
50	Cupaniopsis anacardioides	13	30	36	B	C-	N parking edge	Cod inc
51	Cupaniopsis anacardioides	14	30	34	C	C-	N parking edge	Cod inc CrS brk
52	Cupaniopsis anacardioides	10	25	30	C-	C-	N parking edge	Cod inc CrS Sp
53	Platanus racemosa	16	40	40	C	C	E slope	Dead top, 2long
54	Platanus racemosa	15	50	40	C	C-	E slope	Cod inc 2long CrS Xing
55	Platanus racemosa	14	40	35	C	D	E slope	Topd or dead top cut, cod
56	Platanus racemosa	14	50	40	B	C-	E slope	Cod topd
57	Platanus racemosa	12	45	35	B	C	E slope	Topd Hd
58	Platanus racemosa	14	45	35	B	C	E slope	Cod
59	Platanus racemosa	13	18	25	D	D	E slope	Dead top
60	Platanus racemosa	15	55	35	B	C	E slope	Cod CrS
61	Cupaniopsis anacardioides	10	20	22	B	C-	S slope	Cod inc Xing Hd Db
62	Cupaniopsis anacardioides	11	20	20	C	D	S slope	Cod inc Xing Hd Sp
63	Cupaniopsis anacardioides	12	20	20	B	D	S slope	Cod inc Xing Hd
64	Cupaniopsis anacardioides	12	18	20	C	D	S slope	Cod inc Xing R-epi
65	Cupaniopsis anacardioides	8	14	16	C-	C-	S slope	Cod Xing Hd
66	Cupaniopsis anacardioides	12	16	18	B	C	S slope	Cod inc Hd
67	Platanus racemosa	14	45	30	C	C	planter	Top-Db, 2long Hd Db
68	Platanus racemosa	14	40	35	B	C-	entry	Cod Xing Hd FH
69	Platanus racemosa	14	40	32	C	C	entry	mT-bow Hd DL
70	Platanus racemosa	10	24	24	C	C	planter	Cod mLean 2long brk

Tree#	Species	DBH	Ht	Wd	Health	Condition	Root cond.	Comments
71	Platanus racemosa	9	30	26	B	C	sml isl	mDb 2long DL
72	Platanus racemosa	7	18	18	C	C-	sml isl	Cod CrS dead-epi
73	Platanus racemosa	7	20	20	C	B	sml isl	Hd DL
74	Platanus racemosa	11	35	30	B	C	sml isl	TDK @ TO cod DLS
75	Platanus racemosa	11	35	28	C	B	sml isl	Hd DL 1s-canopy
76	Platanus racemosa	10	35	24	C	C-	sml isl	Cod CrS Hd DL
77	Platanus racemosa	10	35	30	B	B	sml isl	2long
78	Eucalyptus polyanthemos	13	40	20	B	C	S bldg edge	FC mLean OL Hd DL

DBH = diameter at breast height (54”above grade) aka DSH

Note that the last trees along the east edge have a gopher infestation. Even with trapping and removing these gophers, due to the raw character of the property to the east, gophers may still be a continuing problem.

Abbreviations

1s = one-sided
Bldg = building
brk = break
cod = codominant
Cr = crowded
CrS = crowded scaffold limbs
Db = dieback
DL = dogleg branch
Epi = epicormic shoots
FC = flush cut
Hd = headed back
Inc = included bark
Isl = island
Lt = lion-tailed
OL = over-lifted
PSHB = polyphagous shot-hole borer
Sh = shallow roots
Sml = small
Sp = sparse
Sup = suppressed
T-bow = bowed trunk
Topd = topped
TO = limb torn out
Ts = trunks
Xing = crossing limbs

Analysis

Reasons for Removal of Site Trees

The first reason for removing trees is that almost the entire west half of the site will be cleared for a proposed 100,380 square-foot warehouse. The parking islands on the east will also be removed for truck access, and many edge trees are likely to be impacted to accommodate the revised parking arrangement.

Secondly, many employees and visitors drive and park below these trees. They are now large enough that falling limbs could be fatal or cause significant injury. The trees that remain need to be assessed for risk after construction to make sure they do not pose an inordinate level of risk.

The Recommendations Matrix includes a column for "clearance" requirements. The numbers in that column are the closest distance (in feet) that grading, trenching or construction can come without potentially destabilizing that tree. Research by Davey Tree Research has shown that for field grown trees the closest roots can be cut is three times trunk diameter. When the author of the study, Dr. Tom Smiley, was asked how that applied to more urban trees, he said five times trunk diameter is the closest he would cut. Dr. James Clark of Hort Science has a chart in his book "Trees and Development" for how close roots can be cut before tree health would be impacted. For mature carrotwoods and

sycamores that is about nine inches per inch of caliper, for Eucalyptus that is about one foot radius per inch of trunk diameter. That standard would protect both health and stability.

The third reason for removing site trees would be their health or structural condition. The health and/or structure of some trees is so poor they should be removed regardless, for to several reasons, e.g. unsafe, lack of root space, or pests that removal is the best option. The parking island trees are mostly sycamores, a large species, and if the invasive shot-hole borer spreads, more limbs could fall. If the trees remained healthy enough, they would soon damage the adjoining curbs and paving. When they do damage the paving or curb, roots are usually cut and the health declines.

Protection of Neighbor's Trees

It is also important to keep the neighbor's trees healthy and stable. The trees #16 to 21 may be on the property line, or they may be on the neighbor's property. In either case the trees may not belong to this property. The radius listed in the clearance radius column only covers the stability issue.

For good healing or branching of cut roots, any roots over one inch diameter that are cut, must be cut cleanly using appropriate size pruning tools, e.g. loppers, Sawz-all, hand pruners or hand saws. Cover any cut root ends quickly with moist soil or burlap, not pruning paint.

If the neighbor would like assurance that construction grading will not cause any trees to decline or die, the standard of one foot of clearance per inch of trunk diameter should be used. Even then the neighbor could still make a claim that construction caused decline or death, but at least it would be clear to most people that the owner acted reasonably, which would not necessarily be the case if only the stability clearance was followed.

Depending on how close the new building, construction equipment or vehicles come to the east edge, some of the neighbor's trees may need clearance pruning. Because these trees may belong to the neighbor, all pruning of overhanging branches must be expertly performed. Good supervision helps make for good pruning. At least a certified arborist should be present to guide all pruning and to make sure no pruning happens over the property line. The pruning should be only where necessary, and should be at good branching points.

Construction Impacts

Construction can be hard on all surrounding trees due to dust, interruption of water service, spilling construction supplies, like form oil or fuel. These issues should be tightly controlled, but accidents can happen. Secure chain-link fence and dust control can reduce most of these risks.

General Tree Preservation

The main stresses and risks of building and site remodeling to existing trees are:

* Soil compaction
* Lack of water or changes in the site hydrology
* Change of grade in the root zone
* Cutting roots or unauthorized pruning of the canopy
* Physical damage to tree roots or canopy
* Dumping of potentially toxic construction wastes
* Lack of adequate pest control and other care
* Construction dust
* Incompatible landscaping beneath the canopy
* Human error

The quality of supervision and care will control the tree risk related to construction and grading. Some risk will remain, despite excellent supervision and care due to the reduced structural quality of some trees.

Photographic Documentation



Sycamores #3, 4 and.6 Tree #3 were probably topped years ago.



Sycamores #9 and 10 – note dead top.



Carrotwoods #12 to 14 – note crowding.



Trees #16 to 21 may belong to the property above.



Carrotwood #23 – note dieback and pale color.



Sycamore #45



Silver Mt. gum #48



Silver Mt. gum #49



Sycamore #45



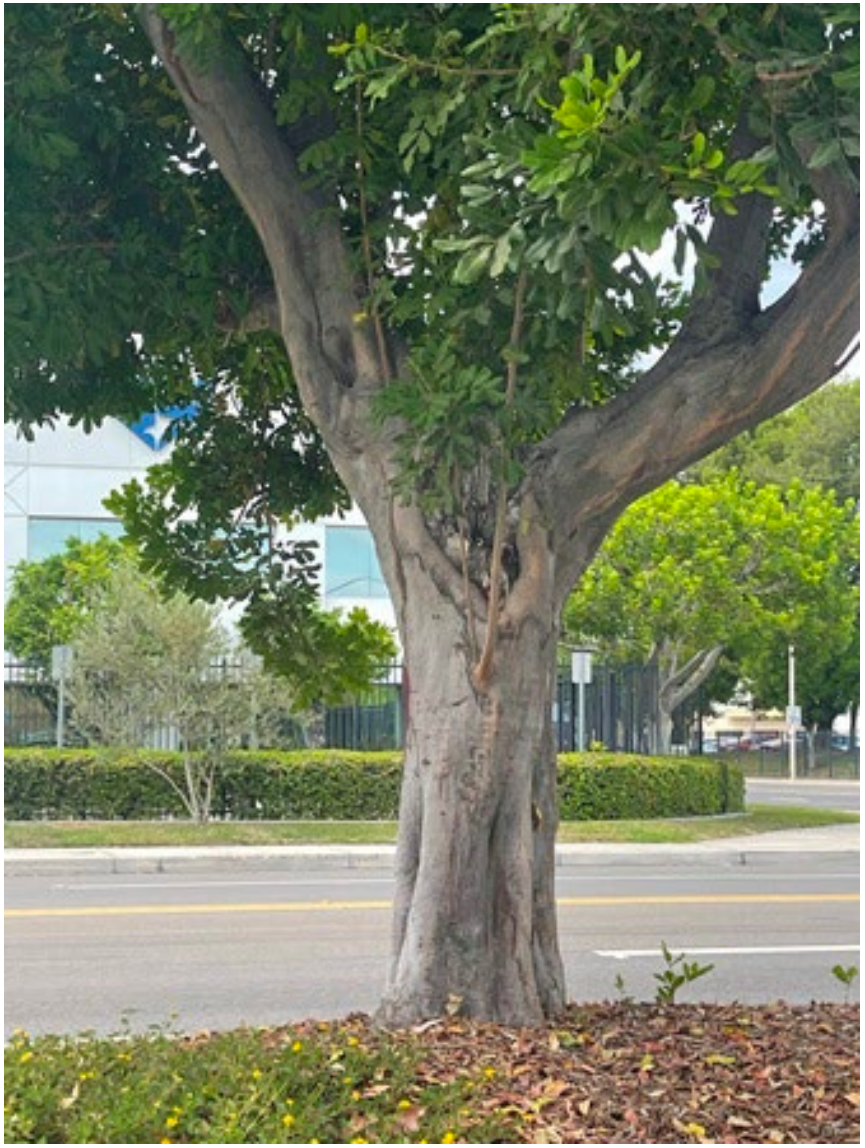
Silver Mt. gum #46



Sycamores 54 to 46 – note dead top



Sycamores #68, 69 and 74 (left to right)



Carrotwood #1 – note large cavity where a limb tour out.



Flat head borers signs. Holes in the bark and fine saw dust in web



Carrotwoods #61 to 63 (left to right)



Carrotwoods #64 to 66 (left to right)



Sycamore #40 – note past topping



Sycamore #41 - note past topping



Sycamore #37 – note dieback in the top



Sycamore #53 – note dead top

Recommendations

Matrix of Recommendations

Tree#	Species	DBH	Ht	Wd	Health	Condition	Safety clearance	Health clearance	Disposition
1	Cupaniopsis anacardioides	14	25	28	B	D	5.8	10.5	Remove structure
2	Eucalyptus polyanthemos	9	14	16	C	C-	3.8	9	protect if possible
3	Platanus racemosa	14	30	30	B	C	5.8	10.5	protect if possible
4	Platanus racemosa	14	40	30	B	C	5.8	10.5	protect if possible
5	Eucalyptus polyanthemos	8	18	14	B	C-	3.3	8	protect if possible
6	Platanus racemosa	11	35	18	B	B	4.6	8.25	protect if possible
7	Cupaniopsis anacardioides	9	22	18	C	D	3.8	6.75	Remove structure
8	Cupaniopsis anacardioides	11	30	16	C	D	4.6	8.25	Remove structure
9	Platanus racemosa	15	35	18	D-	D	6.3	11.25	Remove structure
10	Platanus racemosa	13	40	24	B	C	5.4	9.75	protect if possible
11	Cupaniopsis anacardioides	9	20	20	C-	D	3.8	6.75	Remove structure

Tree#	Species	DBH	Ht	Wd	Health	Condition	Safety clearance	Health clearance	Disposition
12	Cupaniopsis anacardioides	8	24	18	C-	D	3.3	6	Remove structure
13	Cupaniopsis anacardioides	9	22	20	C-	D	3.8	6.75	Remove structure
14	Cupaniopsis anacardioides	9	20	20	C-	D	3.8	6.75	Remove structure
15	Platanus racemosa	16	35	35	B	C	6.7	12	protect if possible
16	Platanus racemosa	14	40	40	B	C	5.8	10.5	protect if possible
17	Cupaniopsis anacardioides	4+3	24	18	C	C-	3.0	4	protect if possible
18	Platanus racemosa	15	35	30	B	C	6.3	11.25	protect if possible
19	Platanus racemosa	12	30	30	C	D	5.0	9	protect if possible
20	Platanus racemosa	15	45	30	C	C-	6.3	11.25	protect if possible
21	Platanus racemosa	5+5	35	18	C	C-	7	7	protect if possible
22	Platanus racemosa	18	45	40	C	C	7.5	13.5	protect if possible
23	Cupaniopsis anacardioides	8	16	16	D	D	3.3	6	Remove construction
24	Eucalyptus polyanthemos	11	30	30	C	C	4.6	11	Remove construction
25	Eucalyptus polyanthemos	5	12	12	C-	D	2.1	5	Remove construction
26	Platanus racemosa	7	30	20	C-	C-	2.9	5.25	Remove construction
27	Platanus racemosa	8	25	18	C-	D	3.3	6	Remove construction
28	Platanus racemosa	10	30	22	C	C	4.2	7.5	Remove construction
29	Platanus racemosa	7	30	22	B	B	2.9	5.25	Remove construction
30	Platanus racemosa	7	30	24	C	C-	2.9	5.25	Remove construction
31	Platanus racemosa	9	35	24	C	C	3.8	6.75	Remove construction
32	Platanus racemosa	11	45	30	B	B	4.6	8.25	Remove construction
33	Platanus racemosa	14	50	30	B	C	5.8	10.5	Remove construction
34	Platanus racemosa	15	50	30	B	B	6.3	11.25	Remove construction
35	Platanus racemosa	15	50	30	B	C	6.3	11.25	Remove construction

Tree#	Species	DBH	Ht	Wd	Health	Condition	Safety clearance	Health clearance	Disposition
36	Platanus racemosa	9	20	18	C	D	3.8	6.75	Remove construction
37	Platanus racemosa	11	45	25	B	C	4.6	8.25	Remove construction
38	Platanus racemosa	12	50	30	B	D	5.0	9	Remove construction
39	Platanus racemosa	10	40	30	B	C-	4.2	7.5	Remove construction
40	Platanus racemosa	18	45	35	C	C-	7.5	13.5	Remove construction
41	Platanus racemosa	17	45	35	B	C	7.1	12.75	Remove construction
42	Platanus racemosa	8	20	15	C	C-	3.3	6	Remove construction
43	Platanus racemosa	8	22	18	C	B	3.3	6	Remove construction
44	Platanus racemosa	8	18	13	D	D	3.3	6	Remove health
45	Platanus racemosa	17	40	26	B	C	7.1	12.75	Remove construction
46	Eucalyptus polyanthemos	17	42	36	B	C-	7.1	17	Remove structure
47	Cupaniopsis anacardioides	16 @ 1'	35	35	C	C-	5.4	9.75	Remove construction
48	Eucalyptus sp.	16	40	36	C-	C-	6.7	16	Remove construction
49	Eucalyptus polyanthemos	10	14	16	B	C-	4.2	10	Remove construction
50	Cupaniopsis anacardioides	13	30	36	B	C-	5.4	9.75	Remove construction
51	Cupaniopsis anacardioides	14	30	34	C	C-	5.8	10.5	Remove construction
52	Cupaniopsis anacardioides	10	25	30	C-	C-	4.2	7.5	Remove construction
53	Platanus racemosa	16	40	40	C	C	6.7	12	protect if possible
54	Platanus racemosa	15	50	40	C	C-	6.3	11.25	protect if possible
55	Platanus racemosa	14	40	35	C	D	5.8	10.5	Remove structure
56	Platanus racemosa	14	50	40	B	C-	5.8	10.5	Remove structure
57	Platanus racemosa	12	45	35	B	C	5.0	9	Remove structure
58	Platanus racemosa	14	45	35	B	C	5.8	10.5	protect if possible
59	Platanus racemosa	13	18	25	D	D	5.4	9.75	Remove structure

Tree#	Species	DBH	Ht	Wd	Health	Condition	Safety clearance	Health clearance	Disposition
60	Platanus racemosa	15	55	35	B	C	6.3	11.25	protect if possible
61	Cupaniopsis anacardioides	10	20	22	B	C-	4.2	7.5	Remove structure
62	Cupaniopsis anacardioides	11	20	20	C	D	4.6	8.25	Remove structure
63	Cupaniopsis anacardioides	12	20	20	B	D	5.0	9	Remove structure
64	Cupaniopsis anacardioides	12	18	20	C	D	5.0	9	Remove structure
65	Cupaniopsis anacardioides	8	14	16	C-	C-	3.3	6	Remove structure
66	Cupaniopsis anacardioides	12	16	18	B	C	5.0	9	Remove structure
67	Platanus racemosa	14	45	30	C	C	5.8	10.5	Remove construction
68	Platanus racemosa	14	40	35	B	C-	5.8	10.5	Remove construction
69	Platanus racemosa	14	40	32	C	C	5.8	10.5	Remove construction
70	Platanus racemosa	10	24	24	C	C	4.2	7.5	protect if possible
71	Platanus racemosa	9	30	26	B	C	3.8	6.75	Remove construction
72	Platanus racemosa	7	18	18	C	C-	2.9	5.25	Remove construction
73	Platanus racemosa	7	20	20	C	B	2.9	5.25	Remove construction
74	Platanus racemosa	11	35	30	B	C	4.6	8.25	Remove construction
75	Platanus racemosa	11	35	28	C	B	4.6	8.25	Remove construction
76	Platanus racemosa	10	35	24	C	C-	4.2	7.5	Remove construction
77	Platanus racemosa	10	35	30	B	B	4.2	7.5	Remove construction
78	Eucalyptus polyanthemos	13	40	20	B	C	5.4	13	Remove construction

The ultimate disposition of the tree will need to be worked out in the field to work with other phases of work, such as grading and utilities. In addition, the season will affect how much clearance will be needed. The health clearances for sycamores reflect fall and winter root cutting. Carrotwoods need more clearance in fall and winter.

Tree Preservation

1. Protection Barrier: A protection barrier shall be installed around the tree or trees to be preserved. The barrier shall be constructed of durable fencing material, such as chain-link fencing. The barrier shall be placed as far from the base of the tree(s) as possible, at least 1-foot per inch of trunk diameter and beyond the drip-line. The fencing shall be maintained in good repair throughout the duration of the project, and shall not be removed, relocated, or encroached upon without permission of the arborist involved.

2. Storage of Materials: There shall be NO storage of materials or supplies of any kind within the area of the protection barriers. Concrete and cement materials, block, stone, sand and soil shall not be placed within the drip-line of the tree.

3. Fuel Storage: Fuel storage shall NOT be permitted within 150 feet of any tree to be preserved. Refueling, servicing and maintenance of equipment and machinery shall NOT be permitted within 150 feet of protected trees.

4. Debris and Waste Materials: Debris and waste from construction or other activities shall NOT be permitted within protected areas. Wash down of concrete or cement handling equipment, in particular, shall NOT be permitted within 150 feet of protected trees.

5. Planting near Trees Designated for Protection: Any digging within designated protection zones shall done using supersonic air directly as the digging medium, by means of a nozzle, whose nominal rated input pressure (available from manufacturer's literature) must not exceed 130 psig (pounds per square inch at gage) unless otherwise approved. Nozzles designed for input above 130 psig can damage fine roots. Air compressors rated between 100 to 125 psig recommended.

6. Grade Changes: Any grade changes proposed should be approved by a Registered Consulting Arborist before construction begins, and precautions taken to mitigate potential injuries. Grade changes can be particularly damaging to trees. Even as little as two inches of fill can cause the death of a tree. Lowering the grade can destroy major portions of a root system.

7. Damages: Any tree damages or injuries should be reported to the project arborist as soon as possible. Severed roots shall be pruned cleanly to healthy tissue, using proper pruning tools. Broken branches or limbs shall be pruned according to International Society of Arboriculture Pruning Guidelines and ANSI A-300 Pruning Standards.

8. Preventive Measures: Before construction begins, irrigation and fertilization of the affected tree(s) is recommended to improve tree vigor and health. Soil analysis testing should be completed to assure fertilization with the appropriate fertilizer products. Pruning of the tree canopies and branches should be done at the direction of the project arborist to remove any dead or broken branches, and to provide the necessary clearances for the construction equipment.

Appendix

A. Resume

B. Assumptions and Limiting Conditions

C. Certification

D. Glossary

RESUME: GREGORY W. APPLEGATE, ASCA, ASLA

PROFESSIONAL REGISTRATIONS:

American Society of Consulting Arborists #365
International Society of Arboriculture, Certified Arborist Number WC-180
International Society of Arboriculture, Tree Risk Assessment Qualified PNC-444

EXPERIENCE:

Mr. Applegate is an independent consulting arborist. He has been in the horticulture field since 1963, providing professional arboricultural consulting since 1984 within both private and public sectors. His expertise includes appraisal, tree preservation, diagnosis of tree growth problems, construction impact mitigation, environmental assessment, expert witness testimony, hazard evaluation, pruning programs, species selection and tree health monitoring.

Mr. Applegate has consulted for insurance companies, major developers, , theme parks, homeowners, homeowners' associations, landscape architects, landscape contractors, property managers, attorneys and governmental bodies.

Notable projects on which he has consulted are: Disneyland, Disneyland Hotel, DisneySeas-Tokyo, Disney's Wild Animal Kingdom, the New Tomorrowland, Disney's California Adventure, Disney Hong Kong project, Knott's Berry Farm, J. Paul Getty Museum, Tustin Ranch, Newport Coast, Crystal Court, Newport Fashion Island Palms, Bixby Ranch Country Club, Playa Vista, Laguna Canyon Road and Myford Road for The Irvine Company, Beverly Hilton Hotel, MWD-California Lakes, Paseo Westpark Palms, Loyola-Marymount campus, Cal Tech, Cal State Long Beach, Pierce College, The Irvine Concourse, UCI, USC, UCLA, LA City College, LA Trade Tech, Riverside City College, Crafton Hills College, MTA projects, and the State of California review of the Landscape Architecture License exam (re: plant materials)

EDUCATION:

Bachelor of Science in Landscape Architecture,
California State Polytechnic University, Pomona 1973
Arboricultural Consulting Academy (by ASCA)
Arbor-Day Farm, Kansas City 1995
Continuing Education Courses in Arboriculture
required to maintain Certified Arborist status and for registration

PROFESSIONAL AFFILIATIONS:

American Society of Consulting Arborists (ASCA), Registered Member
American Society of Landscape Architects (ASLA), Full Member
International Society of Arboriculture (ISA), Regular Member
ASCA 2011 Nominations Committee
California Tree Failure Report Program, UC Davis, Participant
Street Tree Seminar (STS), Member

COMMUNITY AFFILIATIONS:

Guest lecturer at UCLA, UCI, Cal Poly, Saddleback College, & Palomar Junior College
Landscape Architecture License Exam, Reviewer, Cal Poly Pomona (1986-90)
American Institute of Landscape Architects (L.A.) Board of Directors (1980-82)
California Landscape Architect Student Scholarship Fund - Chairman (1985)
International Society of Arboriculture - Examiner-tree worker certification (1990)

Assumptions and Limiting Conditions

1. Any legal description provided to this consultant is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in nature. Any and all property is evaluated as though free and clear, under responsible ownership and competent management.
2. It is assumed that this property is not in violation of any applicable codes, ordinances, statutes, or other governmental regulations.
3. Care has been taken to obtain as much information as possible from reliable sources. Data has been verified insofar as possible. However, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
4. This consultant shall not be required to give testimony or attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule or contract of engagement.
5. Unless required by law otherwise, possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than this specific project and the person to whom it is addressed, without the prior expressed written or verbal consent of this consultant.
6. Unless required by law otherwise, neither all nor any part of this report or a copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, new, sales or other media without the prior expressed written consent of this consultant - particularly as to value conclusions, identity of the consultant, or any reference to any professional society or institute or to any initialed designation conferred upon this consultant as stated in his qualifications.
7. Sketches, drawings, and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise. The reproduction of any information generated by architects, engineers, or other consultants on any sketches, drawings, or photographs is for the express purposes of coordination and ease of reference only. Inclusion of said information on any drawings or other documents does not constitute a representation by Greg Applegate as to the sufficiency or accuracy of said information.
8. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.
9. Loss or alteration of any part of this report invalidates the entire report.
10. This consultant did not survey the tree locations.
11. Measurements are subject to typical margins of error, considering the oval or asymmetrical cross-section of most trunks.

Certification

I, Gregory W. Applegate, certify to the best of my knowledge and belief:

That the statements of fact contained in this report, are true and correct. That the report analysis, opinions, and conclusions are limited only the reported assumptions and limiting conditions, and are my personal unbiased professional analysis, opinions and conclusions.

That I have no present or prospective interest in the vegetation that is the subject of this report, and I have no personal interest or bias with respect to the parties involved.

That my compensation is not contingent upon a reporting that favors the cause of the client or the attainment of stipulated result.

That my analysis, opinions, and conclusions were developed, and this report has been prepared, in conformity with the standards of arboricultural practice.

That I have made a personal inspection of the plants that are the subject of this report. No one provided significant professional assistance to the person signing this report.

Gregory W. Applegate_____ Date: 9-15-2022

Registered Consulting Arborist #365
Certified Arborist WC-0180

Glossary

Arboricultural	Pertaining to the awareness, care, evaluation, identification, growing, maintenance, management, planting, selection, treatment, understanding, valuation and so forth of trees and other woody plants and their growing environments, particularly in shade and ornamental (non-crop/commodity) settings.
Arborist	A person possessing the technical competence through experience and related training to provide for or supervise the management of trees or other woody plants in a landscape setting.
ASCA	The American Society of Consulting Arborists, Inc. a professional society, as described in its by-laws.
Bark	Tissue on the outside of the vascular cambium. Bark is usually divided into inner bark - active phloem and aging and dead crushed phloem - and outer bark.
Caliper	Diameter of a nursery-grown or small size tree trunk. Larger trees are usually measured at 4.5 feet (see DBH) Trees with calipers 4 inches and below are measured at 6 inches above grade(ANSI Z60-1-1990) Trees above 4 inches, but still transplantable are measured at 12 inches above grade.
Canopy	The part of the crown composed of foliage and twigs, for an individual tree or collective group of trees.
Codominant	Leaders equal in size and relative importance, developed from 2 apical buds at the top of a stem. Each codominant stem is an extension of the stem below it. There are no branch collars or trunk collars at the bases of codominant stems.
Compaction	(Soil Compaction) The compression of soil, causing a reduction of pore space and an increase in the bulk density of the soil. Tree roots cannot grow in compacted soil.
Crown	The upper portions of a tree or shrub, including the main limbs, branches, and twigs.
DBH	Diameter of the trunk, measured at breast height or 54 inches above the average grade. Syn. = caliper.

Decay	Progressive deterioration of organic tissues, usually caused by fungal or bacterial organisms, resulting in loss of cell structure, strength, and function. In wood, the loss of structural strength.
Decline	Progressive reduction of health or vigor of a plant.
Dripline	A projected line on the ground that corresponds to the spread of branches in the canopy; the farthest spread of branches.
Epicormic	Epi - upon; cormic – stem. Branches that are upon the stem, i.e. sprouting from either dormant buds in the cambial zone, or from buds sprung anew from ray traces. Epicormic shoots are a sign that energy reserves have been lowered.
Foliage	The live leaves or needles of the tree; the plant part primarily responsible for photosynthesis.
Grading	Intentional altering of topography and soil levels, using machinery.
Hardscape	The sidewalk, curb, gutter, paving or other concrete permanent features.
Heading	Pruning techniques where the cut is made to a bud, weak lateral branch or stub.
Included bark	The pattern of development at branch junctions where bark is turned inward rather than pushed out forming a branch bark ridge.
Limb	A large lateral branch growing from the main trunk.
Reduction cut	(drop crotch cut) pruning cut that reduces the length of a branch or stem back to a live lateral branch large enough to assume apical dominance that is typically at least one-third the diameter of the cut stem; also cutting back a stem or branch to an existing, smaller, lateral branch that is large enough to prevent bark death on the retained lateral branch.Root system The portion of the tree containing the root organs, including buttress roots, transport roots, and fine absorbing roots; all underground parts of the tree.
Root zone	The area and volume of soil around the tree in which roots are normally found. May extend to three or more times the branch spread of the tree, or several times the height of the tree.
Scaffold limb	Primary structural branch of the crown.
Shoot	Stem or branch and its leaves, especially when young
Target	People or property potentially affected by tree or limb failure.
Topping	The practice of cutting large limbs back severely, without regard to form or habit of the tree. Cuts are usually made between lateral branch nodes. This practice is extremely injurious to trees, and promotes decay.
Vigor	Active, healthy growth of plants: ability to respond to stress factors.

Appendix D

Cultural Resources Assessment

Kimley»Horn

CULTURAL RESOURCES ASSESSMENT

14005 Live Oak Avenue Project
City of Irwindale, Los Angeles County, California

Prepared for:

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Prepared by:

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Project No. KIM2315

Data Base Information:
Type of Study: Intensive
Resources Recorded: None
Keywords: 14005 Live Oak Avenue
USGS Quadrangle: 7.5-minute *Baldwin Park, California* (1981)

BCRCONSULTING LLC

March 27, 2024

MANAGEMENT SUMMARY

BCR Consulting LLC (BCR Consulting) is under contract to Kimley-Horn to complete a Cultural Resources Assessment of the proposed 14005 Live Oak Avenue Project (project) in the City of Irwindale, Los Angeles County, California. The project occupies approximately 5.13 acres and is bounded by industrial properties on all sides. A cultural resources records search, additional research, intensive-level pedestrian field survey, paleontological resources overview, and Sacred Lands File search with the Native American Heritage Commission (NAHC) were conducted for the project in partial fulfillment of the California Environmental Quality Act (CEQA).

The cultural resources records search revealed that eleven cultural resources studies have taken place, resulting in the recording of one cultural resource within 0.5-mile of the project site. The project site has been subject to one previous cultural resources assessment, and no cultural resources have been previously identified within its boundaries. No cultural resources were identified within the project site during the field survey.

The records search data and field survey did not identify any cultural resources within the project site boundaries. Conditions have failed to indicate sensitivity for buried cultural resources. Therefore, BCR Consulting recommends that no additional cultural resource work or monitoring is necessary for any earthmoving proposed within the project site. However, if previously undocumented cultural resources are identified during earthmoving, a qualified archaeologist should be contacted to assess the nature and significance of the find, diverting construction excavation if necessary.

Findings were negative during the Sacred Lands File search with the NAHC. The City will initiate Assembly Bill (AB) 52 Native American Consultation for the project, per CEQA. Since the City will initiate and carry out the required Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff is available to answer questions and address concerns as necessary.

According to CEQA Guidelines, projects subject to CEQA must determine whether the project would “directly or indirectly destroy a unique paleontological resource”. The appended Paleontological Overview provided in Appendix C has recommended that:

> The geologic units underlying the project area is mapped as alluvial deposits of gravel from the Holocene epoch (Tan 2000). Holocene alluvial units are considered to be of high preservation value, but material found is unlikely to be fossil material due to the relatively modern associated dates of the deposits. However, if development requires any substantial depth of disturbance, the likelihood of reaching Pleistocene alluvial sediments would increase. The Western Science Center does not have localities within the project area or within a 1 mile radius, however this [is] likely due in part to the project area’s distance from the museum, and should be taken as an indicator of paleontological sensitivity. Other museums may have localities in the area.

While the presence of any fossil material is unlikely, if excavation activity disturbs deeper sediment dating to the earliest parts of the Holocene or Late Pleistocene periods, the material would be scientifically significant. Excavation activity associated with the development of the project area is unlikely to be paleontologically sensitive, but caution during development should be observed.

If human remains are encountered during the undertaking, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC

TABLE OF CONTENTS

MANAGEMENT SUMMARY ii

INTRODUCTION 1
REGULATORY SETTING 1

NATURAL SETTING 4

CULTURAL SETTING 5
PREHISTORIC CONTEXT 5
HISTORY 5

PERSONNEL 6

METHODS 6
RESEARCH 7
FIELD SURVEY 7

RESULTS 7
RESEARCH 7
FIELD SURVEY 7

RECOMMENDATIONS 8

REFERENCES 9

FIGURES

1: Project Location Map 2

TABLES

A: Cultural Resources and Reports Within 0.5-Mile of the Project Site 7

APPENDICES

A: RECORDS SEARCH BIBLIOGRAPHY
B: NATIVE AMERICAN HERITAGE COMMISSION CORRESPONDENCE
C: PALEONTOLOGICAL OVERVIEW
D: PROJECT PHOTOGRAPHS

INTRODUCTION

BCR Consulting LLC (BCR Consulting) is under contract to Kimley-Horn to complete a Cultural Resources Assessment of the proposed 14005 Live Oak Avenue Project (project) in the City of Irwindale, Los Angeles County, California. The project occupies approximately 5.13 acres and is bounded by industrial properties on all sides. A cultural resources records search, additional research, intensive-level pedestrian field survey, paleontological resources overview, and Sacred Lands File search with the Native American Heritage Commission (NAHC) were conducted for the project in partial fulfillment of the California Environmental Quality Act (CEQA). The project site is located in Section 6 of Township 1 South, Range 10 West, San Bernardino Baseline and Meridian. It is depicted on the United States Geological Survey (USGS) *Baldwin Park, California* (1981) 7.5-minute topographic quadrangle (Figure 1).

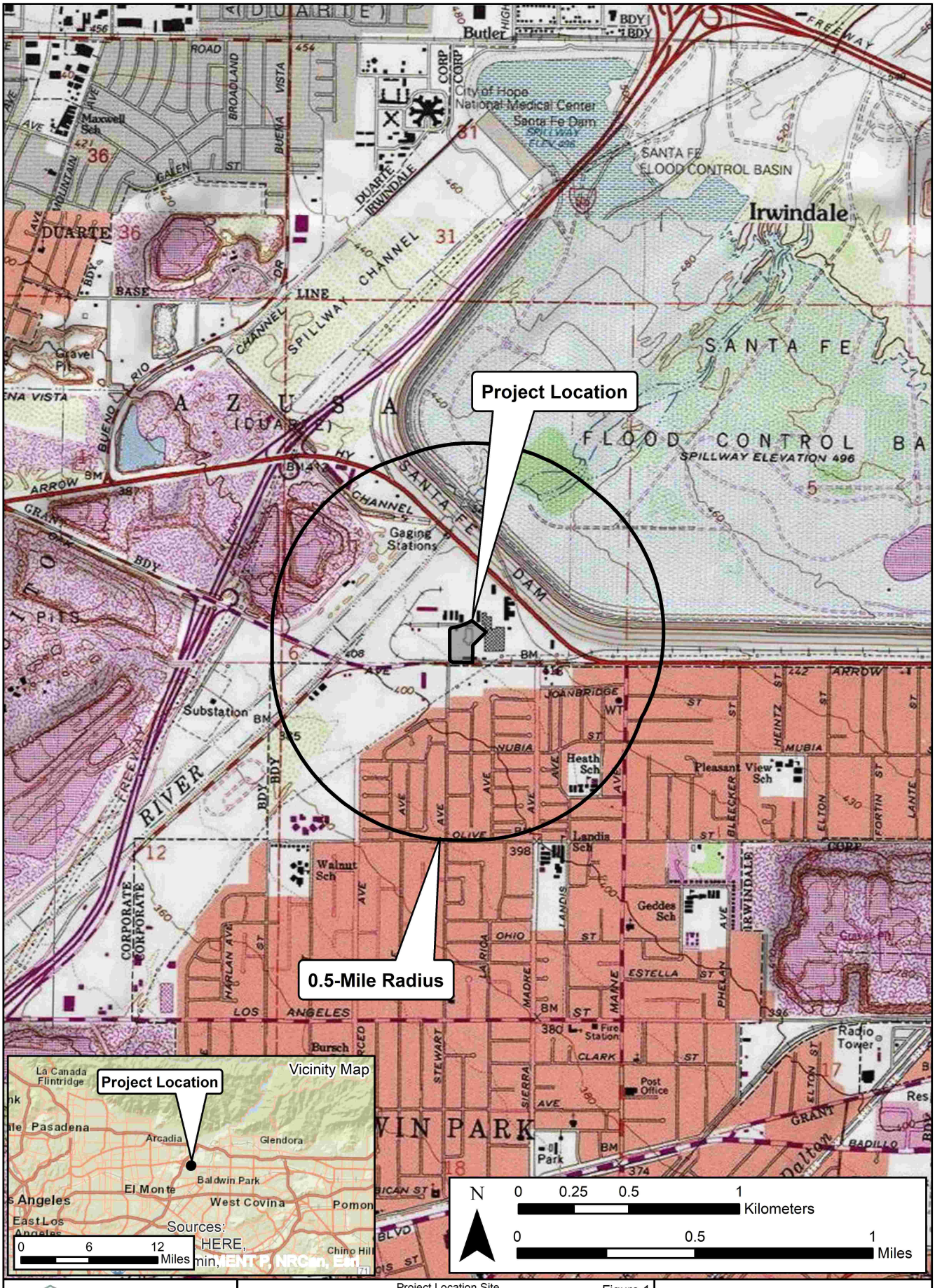
Regulatory Setting

The California Environmental Quality Act. CEQA applies to all discretionary projects undertaken or subject to approval by the state's public agencies (California Code of Regulations 14(3), § 15002(i)). Under CEQA, "A project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment" (Cal. Code Regs. tit. 14(3), § 15064.5(b)). State CEQA Guidelines section 15064.5(a) defines a "historical resource" as a resource that meets one or more of the following criteria:

- Listed in, or eligible for listing in, the California Register of Historical Resources (California Register)
- Listed in a local register of historical resources (as defined at Cal. Public Res. Code § 5020.1(k))
- Identified as significant in a historical resource survey meeting the requirements of § 5024.1(g) of the Cal. Public Res. Code
- Determined to be a historical resource by a project's lead agency (Cal. Code Regs. tit. 14(3), § 15064.5(a))

A historical resource consists of "Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California…Generally, a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing in the California Register of Historical Resources" (Cal. Code Regs. tit. 14(3), § 15064.5(a)(3)).

The significance of a historical resource is impaired when a project demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for the California Register. If an impact on a historical or archaeological resource is significant, CEQA requires feasible measures to minimize the impact (State CEQA Guidelines § 15126.4 (a)(1)). Mitigation of significant impacts must lessen or eliminate the physical impact that the project will have on the resource. Section 5024.1 of the Cal. Public Res. Code established the California Register. Generally, a resource is considered by the lead agency to be "historically significant" if the resource meets



BCR CONSULTING LLC	Project Location Site 14005 Live Oak Avenue Project Reference: ESRI; USGS Quad: Baldwin Park, California (1981)	Figure 1 **Kimley-Horn**

the criteria for listing in the California Register (Cal. Code Regs. tit. 14(3), § 15064.5(a)(3)). The eligibility criteria for the California Register are similar to those of the National Register of Historic Places (National Register), and a resource that meets one or more of the eligibility criteria of the National Register will be eligible for the California Register.

The California Register program encourages public recognition and protection of resources of architectural, historical, archaeological, and cultural significance, identifies historical resources for state and local planning purposes, determines eligibility for state historic preservation grant funding and affords certain protections under CEQA. Criteria for Designation:

1. Associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
2. Associated with the lives of persons important to local, California or national history.
3. Embodies the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values.
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation.

In addition to meeting one or more of the above criteria, the California Register requires that sufficient time has passed since a resource's period of significance to "obtain a scholarly perspective on the events or individuals associated with the resources." (CCR 4852 [d][2]). Fifty years is normally considered sufficient time for a potential historical resource, and in order that the evaluation remain valid for a minimum of five years after the date of this report, all resources older than 45 years (i.e. resources from the "historic-period") will be evaluated for California Register listing eligibility, or CEQA significance. The California Register also requires that a resource possess integrity. This is defined as the ability for the resource to convey its significance through seven aspects: location, setting, design, materials, workmanship, feeling, and association.

Finally, CEQA requires that significant effects on unique archaeological resources be considered and addressed. CEQA defines a unique archaeological resource as any archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions and there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

CEQA Guidelines Section 15064.5 Appendix G includes significance criteria relative to archaeological and historical resources. These have been utilized as thresholds of significance here, and a project would have a significant environmental impact if it would:

a) cause a substantial adverse change in the significance of a historical resource as defined in section 10564.5;

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 10564.5;

c) Disturb any human remains, including those interred outside of formal cemeteries.

Tribal Cultural Resources. The Legislature added requirements regarding tribal cultural resources for CEQA in Assembly Bill 52 (AB 52) that took effect July 1, 2015. AB 52 requires consultation with California Native American tribes and consideration of tribal cultural resources in the CEQA process. By including tribal cultural resources early in the CEQA process, the legislature intended to ensure that local and Tribal governments, public agencies, and project proponents would have information available, early in the project planning process, to identify and address potential adverse impacts to tribal cultural resources. By taking this proactive approach, the legislature also intended to reduce the potential for delay and conflicts in the environmental review process. To help determine whether a project may have such an effect, the Public Resources Code requires a lead agency to consult with any California Native American tribe that requests consultation and is traditionally and culturally affiliated with the geographic area of a Proposed Project. Since the City will initiate and carry out the required AB52 Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff are available to answer questions and address comments as necessary.

Paleontological Resources. CEQA provides guidance relative to significant impacts on paleontological resources, indicating that a project would have a significant impact on paleontological resources if it disturbs or destroys a unique paleontological resource or site or unique geologic feature. Section 5097.5 of the California Public Resources Code specifies that any unauthorized removal of paleontological remains is a misdemeanor. Further, California Penal Code Section 622.5 sets the penalties for damage or removal of paleontological resources. CEQA documentation prepared for projects would be required to analyze paleontological resources as a condition of the CEQA process to disclose potential impacts. Please note that as of January 2018 paleontological resources are considered in the geological rather than cultural category. Therefore, paleontological resources are not summarized in the body of this report. A paleontological overview completed by the Western Science Center is provided as Appendix C.

NATURAL SETTING

The project is located in the San Gabriel Valley, which is bounded on the west by the San Rafael Hills, on the south by the Puente Hills, on the north by the foothills of the San Gabriel Mountains (USGS 1981), and on the east by the Chino Hills and San Jose Hills. Local rainfall ranges from 5 to 15 inches annually (Jaeger and Smith 1971:36-37). The area containing the project site exhibits a southwesterly slope. Local water drains into the San Gabriel River approximately 900 feet to the northwest, which ultimately drains into the Pacific Ocean and

approximately 26.44-miles to the southwest (USGS 1981). The project site is situated in an area comprised of cismontane valleys and low mountain slopes dominated by mixed coastal sage scrub and chaparral vegetation communities (Williams 2008).

CULTURAL SETTING

Prehistoric Context

The project site is located within the traditional boundaries of the Gabrielino (Bean and Smith 1978; Kroeber 1925). The Gabrielino probably first encountered Europeans when Spanish explorers reached California's southern coast during the 15th and 16th centuries (Bean and Smith 1978; Kroeber 1925). The first documented encounter, however, occurred in 1769 when Gaspar de Portola's expedition crossed Gabrielino territory (Bean and Smith 1978). Other brief encounters took place over the years, and have been documented by McCawley (1996; citing numerous sources). The Gabrielino name has been attributed by association with the Spanish mission of San Gabriel, and refers to a subset of people sharing speech and customs with other Cupan speakers (such as the Juaneño/Luiseño/Ajachemem) from the greater Takic branch of the Uto-Aztecan language family (Bean and Smith 1978). Gabrielino villages occupied the watersheds of various rivers (locally including the Santa Ana) and intermittent streams. Chiefs were usually descended through the male line and often administered several villages. Gabrielino society was somewhat stratified and is thought to have contained three hierarchically ordered social classes which dictated ownership rights and social status and obligations (Bean and Smith 1978:540-546). Plants utilized for food were heavily relied upon and included acorn-producing oaks, as well as seed-producing grasses and sage. Animal protein was commonly derived from rabbits and deer in inland regions, while coastal populations supplemented their diets with fish, shellfish, and marine mammals (Boscana 1933; Heizer 1968; Johnston 1962; McCawley 1996). Dog, coyote, bear, tree squirrel, pigeon, dove, mud hen, eagle, buzzard, raven, lizards, frogs, and turtles were specifically not utilized as a food source (Kroeber 1925:652).

History

Historic-era California is generally divided into three periods: the Spanish or Mission Period (1769 to 1821), the Mexican or Rancho Period (1821 to 1848), and the American Period (1848 to present).

Spanish Period. The first European to pass through the area is thought to be a Spaniard called Father Francisco Garces. Having become familiar with the area, Garces acted as a guide to Juan Bautista de Anza, who had been commissioned to lead a group across the desert from a Spanish outpost in Arizona to set up quarters at the Mission San Gabriel in 1771 near what today is Pasadena (Beck and Haase 1974). Garces was followed by Alta California Governor Pedro Fages, who briefly explored the region in 1772. Searching for San Diego Presidio deserters, Fages had traveled through Riverside to San Bernardino, crossed over the mountains into the Mojave Desert, and then journeyed westward to the San Joaquin Valley (Beck and Haase 1974).

Mexican Period. In 1821, Mexico overthrew Spanish rule and the missions began to decline. By 1833, the Mexican government passed the Secularization Act, and the missions,

reorganized as parish churches, lost their vast land holdings, and released their neophytes (Beattie and Beattie 1974).

American Period. The American Period, 1848–Present, began with the Treaty of Guadalupe Hidalgo. In 1850, California was accepted into the Union of the United States primarily due to the population increase created by the Gold Rush of 1849. The cattle industry reached its greatest prosperity during the first years of the American Period. Mexican Period land grants had created large pastoral estates in California, and demand for beef during the Gold Rush led to a cattle boom that lasted from 1849–1855. However, beginning about 1855, the demand for beef began to decline due to imports of sheep from New Mexico and cattle from the Mississippi and Missouri Valleys. When the beef market collapsed, many California ranchers lost their ranchos through foreclosure. A series of disastrous floods in 1861–1862, followed by a significant drought further diminished the economic impact of local ranching. This decline combined with ubiquitous agricultural and real estate developments of the late 19th century, set the stage for diversified economic pursuits that continue to this day (Beattie and Beattie 1974; Cleland 1941).

PERSONNEL

David Brunzell, M.A., RPA acted as the Project Manager and Principal Investigator for the current study. Mr. Brunzell meets the United States Secretary of the Interior Professional Qualification Standards for Archaeology and Architectural History. BCR Consulting Archaeological Crew Chief Timothy Blood, M.S., completed the records search at the South Central Coastal Information Center (SCCIC). BCR Consulting Archaeological Field Director Nicholas Shepetuk, B.A., conducted the field survey. Mr. Brunzell wrote the technical report with contributions from Mr. Shepetuk.

METHODS

This work was completed pursuant to CEQA, the Public Resources Code (PRC) Chapter 2.6, Section 21083.2, and California Code of Regulations (CCR) Title 14, Chapter 3, Article 5, Section 15064.5. The pedestrian cultural resources survey was intended to locate and document previously recorded or new cultural resources, including archaeological sites, features, isolates, and historic-period buildings, that exceed 45 years in age within defined project boundaries. The project site was examined using 15-meter transect intervals, where accessible. This study is intended to determine whether cultural resources are located within the project boundaries, whether any cultural resources are significant pursuant to the above-referenced regulations and standards, and to develop specific mitigation measures that will address potential impacts to existing or potential resources. Tasks pursued to achieve that end include:

- cultural resources records search request to review the results of any studies conducted within a 0.5-mile radius of the project boundaries;
- systematic pedestrian survey of the entire accessible project site;
- development of recommendations and mitigation measures as necessary, following CEQA.

Research

Records Search. BCR Consulting completed the cultural resources records search on January 8, 2024 at the South Central Coastal Information Center (SCCIC) using information on file at California State University, Fullerton. This archival research has reviewed the status of all recorded historic and prehistoric cultural resources, and survey and excavation reports completed within 0.5-mile of the project site. Additional resources reviewed have included the Built Environment Resources Directory (BERD) which consists of properties evaluated for or listed in the National Register of Historic Places (National Register), the California Register of Historical Resources (CRHR), lists of California Historical Landmarks, California Points of Historical Interest, and the Inventory of Historic Structures.

Field Survey

An intensive-level cultural resources field survey of the project site was conducted January 2, 2024. The survey was conducted by walking parallel transects spaced approximately 15 meters apart across the entire project site. Digital photographs were taken at various points within the project site. These included overviews as well as detail photographs of all cultural resources.

RESULTS

Research

Records Search. The cultural resources records search revealed that eleven cultural resources studies have taken place, resulting in the recording of one cultural resource within 0.5-mile of the project site. The project site has been subject to one previous cultural resources assessment, and no cultural resources have been previously identified within its boundaries. The records search bibliography is provided in Appendix A. The records search is summarized as follows:

Table A. Cultural Resources and Reports Within 0.5-Mile of the Project Site

USGS Quad	Cultural Resources Within 0.5-Mile of Project Site	Studies Within 0.5-Mile
Baldwin Park, CA (1981)	P-19-188983: Boulder Dam Transmission Lines (220 Feet S)	LA-72, 186, 3509, 3824, 7245, 9705, 10175, 10327*, 10501, 10805, 11989

*Previously assessed a portion of the project

Field Survey

During the field survey Mr. Shepetuk carefully inspected the project site. It has been subject to severe disturbances associated with excavation, grading, and construction of an existing office building. This building is less than 45 years old. As such it is not historic in age and does not require further consideration. Within the project site, vegetation consisted mainly of imported and landscaped trees, shrubs, and grass. Surface visibility was zero percent in nearly all areas other than very limited patches of exposed imported soil.

RECOMMENDATIONS

The records search data and field survey did not yield any cultural resources within the project site boundaries. Conditions have failed to indicate sensitivity for buried cultural resources. Therefore, BCR Consulting recommends that no additional cultural resource work or monitoring is necessary for any earthmoving proposed within the project site. However, if previously undocumented cultural resources are identified during earthmoving, a qualified archaeologist should be contacted to assess the nature and significance of the find, diverting construction excavation if necessary.

Findings were negative during the Sacred Lands File search with the NAHC. The City will initiate Assembly Bill (AB) 52 Native American Consultation for the project, per CEQA. Since the City will initiate and carry out the required Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff is available to answer questions and address concerns as necessary.

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> The geologic units underlying the project area is mapped as alluvial deposits of gravel from the Holocene epoch (Tan 2000). Holocene alluvial units are considered to be of high preservation value, but material found is unlikely to be fossil material due to the relatively modern associated dates of the deposits. However, if development requires any substantial depth of disturbance, the likelihood of reaching Pleistocene alluvial sediments would increase. The Western Science Center does not have localities within the project area or within a 1 mile radius, however this [is] likely due in part to the project area's distance from the museum, and should be taken as an indicator of paleontological sensitivity. Other museums may have localities in the area.
>
> While the presence of any fossil material is unlikely, if excavation activity disturbs deeper sediment dating to the earliest parts of the Holocene or Late Pleistocene periods, the material would be scientifically significant. Excavation activity associated with the development of the project area is unlikely to be paleontologically sensitive, but caution during development should be observed.

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REFERENCES

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United States Geological Survey
1981 *Baldwin Park, California* 7.5-minute topographic quadrangle map.

Williams, Patricia, Leah Messinger, Sarah Johnson
2008 *Habitats Alive! An Ecological Guide to California's Diverse Habitats.* California Institute for Biodiversity, Claremont, California.

APPENDIX A

RECORDS SEARCH BIBLIOGRAPHY

Report List

KIM2315

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-00072		1974	Rosen, Martin D.	Evaluation of the Resources and Potential Impact of Proposed Extension of Merced Avenue and Olive Street, City of Baldwin Park	University of California, Los Angeles Archaeological Survey	
LA-00186		1988	Brock, James and John F. Elliott	A Cultural Resources Assessment for the Raiders Stadium Project, Irwindale, California.	Archaeological Advisory Group	19-001368, 19-189104, 19-190992
LA-03509		1985	Cottrell, Marie G., James N. Hill, Stephen Van Wormer, and John Cooper	(Duplicate of LA-2665) Cultural Resource Overview and Survey for the Los Angeles County Drainage Area Review Study	Archaeological Resource Management Corp.	19-000026, 19-000043, 19-000075, 19-000111, 19-000163, 19-000164, 19-000166, 19-000167, 19-000173, 19-000182, 19-000208, 19-000221, 19-000240, 19-000241, 19-000272, 19-000300, 19-000339, 19-000343, 19-000345, 19-000348, 19-000397, 19-000518, 19-000522, 19-000524, 19-000657, 19-000693, 19-000694, 19-000695, 19-000697, 19-000797, 19-000858, 19-000871, 19-000967, 19-001009, 19-001044, 19-001045, 19-001046, 19-001109
LA-03824		1995	Anonymous	Cultural Resources Report for the Baldwin Park Operable Unit Water Delivery Plan	Greenwood and Associates	
LA-07245		2005	Bonner, Wayne H.	Cultural Resource Records Search and Site Visit Results for Cingular Telecommunications Facility Vy-309-01 (sv-059-01) Monteleone Industrial, 14020 Live Oak Avenue, Baldwin Park, Los Angeles County, California	Michael Brandman Associates	
LA-09705		2007	Anonymous	Cultural Resources Inventory of the Southern California Edison Company Tehachapi Renewable Transmission Project, Kern, Los Angeles and San Bernardino Counties, California. ARR #05-01-01046	Pacific Legacy, Inc.	19-001128, 19-001299, 19-001300, 19-001315, 19-001359, 19-001382, 19-002131, 19-002206, 19-002212, 19-002350, 19-002363, 19-002411, 19-002412, 19-002998, 19-003018, 19-003025, 19-003031, 19-003032, 19-003136, 19-003141, 19-003152, 19-003720, 19-003721, 19-003722, 19-003723, 19-003727, 19-003728, 19-003729, 19-003730, 19-003731, 19-003732, 19-003733, 19-003734, 19-003735, 19-003736, 19-003737, 19-003738, 19-003739, 19-003740, 19-003741, 19-003742, 19-003990, 19-100631, 19-100806, 19-100807, 19-100808

Report List

KIM2315

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-10175		2009	Unknown	Confidential Cultural Resources Specialist Report for the Tehachapi Transmission Project	Applied Earthworks, Aspen Environmental Group	19-000806, 19-001128, 19-001299, 19-001300, 19-001315, 19-001357, 19-001382, 19-001636, 19-001770, 19-001771, 19-001783, 19-001956, 19-001957, 19-002206, 19-002212, 19-002343, 19-002350, 19-002363, 19-002411, 19-002412, 19-003009, 19-003018, 19-003025, 19-003031, 19-003032, 19-003037, 19-003090, 19-003099, 19-003136, 19-003152, 19-003295, 19-003385, 19-003477, 19-003606, 19-003638, 19-003795, 19-003852, 19-003853, 19-003854, 19-100277, 19-100439, 19-100496, 19-100644, 19-120031, 19-120032, 19-120072, 19-120074, 19-180689, 19-186545, 19-186860, 19-186870, 19-186871, 19-186872, 19-186873, 19-186875, 19-186876, 19-186877, 19-186917, 19-186921, 19-186923, 19-186925, 19-187713
LA-10327		2009	Gardner, Jill K.	Phase I Cultural Resources Study: Proposed Materials Recovery Facility and Transfer Station Project, City of Irwindale, Los Angeles County, California	ASM Affiliates, Inc.	
LA-10501		1994	Toren, George A.	Cultural Resource Survey of Three Segments of the Proposed San Gabriel Valley Water Reclamation Project, Los Angeles County, California	Greenwood and Associates	19-002207
LA-10805		2009	Gust, Sherry and Amy Glover	Cultural Resources Mitigation Compliance Report for the Metro Gold Line Eastside Extension, City of Los Angeles, California. For the Period 2004 to 2006	Cogstone Resource Management, Inc.	
LA-11989		2010	Panich, Lee and Holson, John	Supplemental Archaeological Survey Report, 66KV Transmission Lines Access Roads, Tehachapi Renewable Transmission Project Segments 7 and 8, Los Angeles and San Bernardino Counties, California	Pacific Legacy	19-000858, 19-001009, 19-001311, 19-002583, 19-003121, 19-003551, 19-003813, 19-003814, 19-186112, 19-186889

Resource List

KIM2315

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-19-188983		Resource Name - L A Dept of Water & Power Boudler Lines North & South; Other - LADWP Boulder Lines 1 & 2; Other - Boulder Dam-Los Angeles 287.5 kV Transmission Line	Structure, Element of district	Historic	HP09; HP11	1999 (Stephen Van Wormer, KEA); 2008 (Noah M. Stewart, Caltrans District 7); 2013 (Heather Gibson and Marc Beherec, AECOM); 2018 (Jessica B. Feldman, ICF); 2020 (A. Canoff, SRI)	LA-10883, LA-11746, LA-12041, LA-12096, LA-12103, LA-12133, LA-12296, LA-12306, LA-12465, LA-12756, LA-13259

APPENDIX B

NATIVE AMERICAN HERITAGE COMMISSION CORRESPONDENCE

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
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Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Vacant

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok, Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

January 18, 2024

David Brunzell
BCR Consulting, LLC

Via Email to: bcrllc2008@gmail.com

Re: 14005 Live Oak Avenue Project, Los Angeles County

Dear Mr. Brunzell:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

APPENDIX C

PALEONTOLOGICAL OVERVIEW

WESTERN SCIENCE CENTER

February 1st, 2024

BCR Consulting, LLC
Nick Shepetuk
505 W. 8th St.
Claremont, CA 91711

Dear Mr. Shepetuk,

This letter presents the results of a record search conducted for 14005 Live Oak Avenue Project located in the city of Irwindale, Los Angeles County, CA. The project site is located north of Live Oak Avenue, southeast of Rivergrade Road, and west of Arrow Highway in Township 1 South Range 10 West, Section 6 of the *Baldwin Park, CA* USGS 7.5 minute quadrangle.

The geologic units underlying the project area are mapped as alluvial deposits of gravel from the Holocene epoch (Tan 2000). Holocene alluvial units are considered to be of high preservation value, but material found is unlikely to be fossil material due to the relatively modern associated dates of the deposits. However, if development requires any substantial depth of disturbance, the likelihood of reaching Pleistocene alluvial sediments would increase. The Western Science Center does not have localities within the project area or within a 1 mile radius, however this is likely due in part to the project area's distance from the museum, and should not be taken as an indicator of paleontological sensitivity. Other museums may have localities in the area.

While the presence of any fossil material is unlikely, if excavation activity disturbs deeper sediment dating to the earliest parts of the Holocene or Late Pleistocene periods, the material would be scientifically significant. Excavation activity associated with the development of the project area is unlikely to be paleontologically sensitive, but caution during development should be observed.

If you have any questions, or would like further information, please feel free to contact me at bstoneburg@westerncentermuseum.org.

Sincerely,

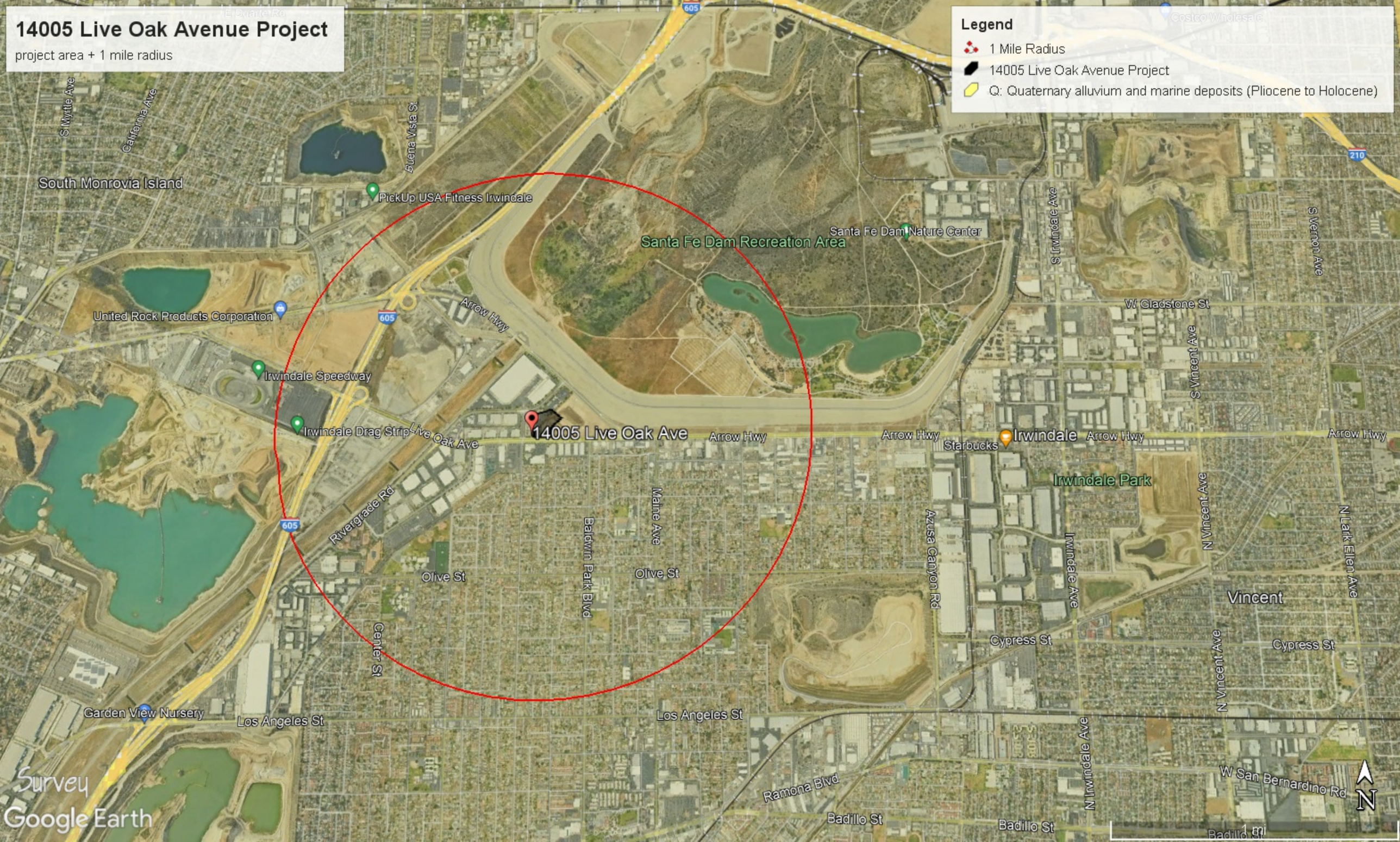
Brittney Elizabeth Stoneburg, MSc
Collections Manager

14005 Live Oak Avenue Project

project area + 1 mile radius

Legend

- 1 Mile Radius
- 14005 Live Oak Avenue Project
- Q: Quaternary alluvium and marine deposits (Pliocene to Holocene)



APPENDIX D

PROJECT PHOTOGRAPHS

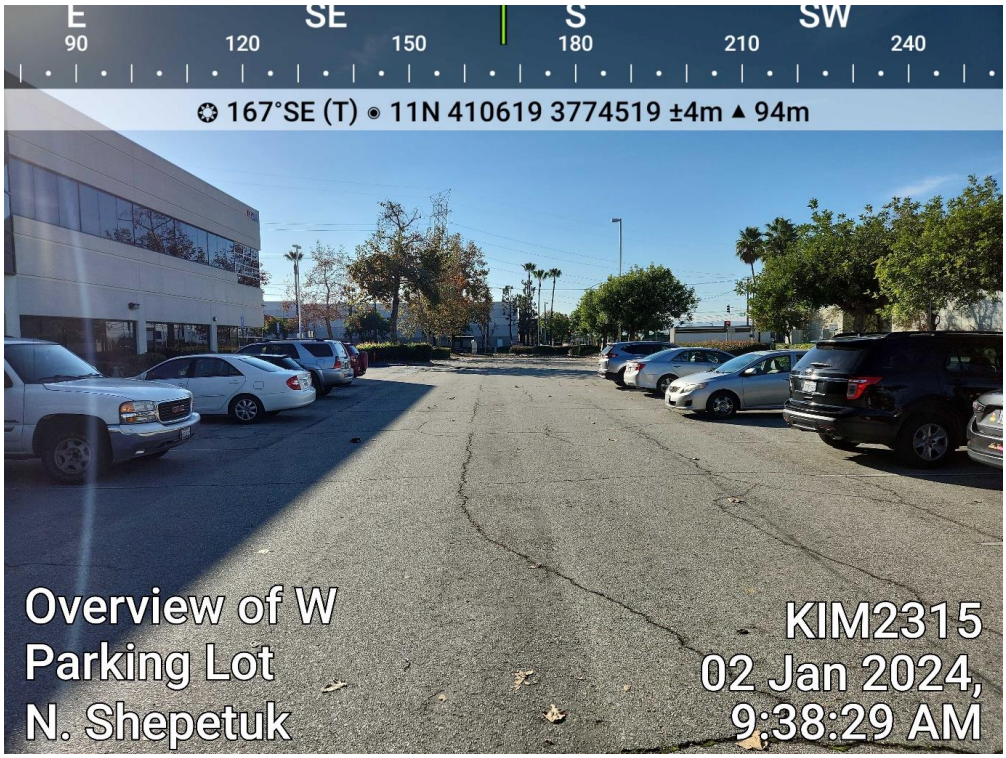


Photo 1: Overview

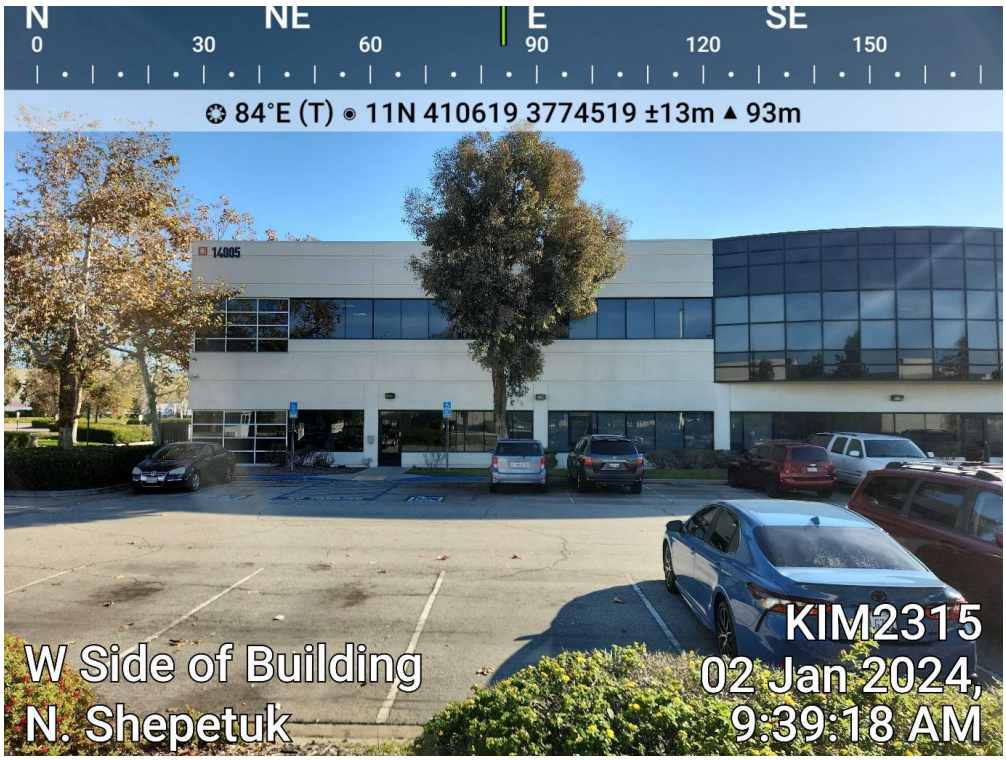


Photo 2: Overview

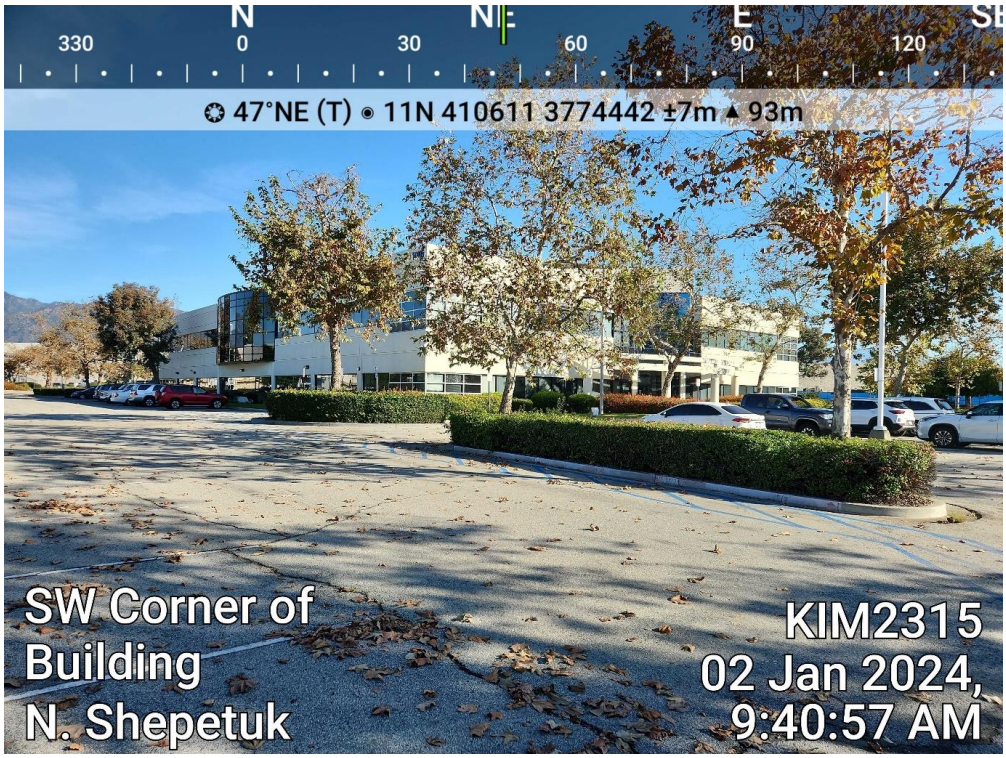


Photo 3: Overview



Photo 4: Overview

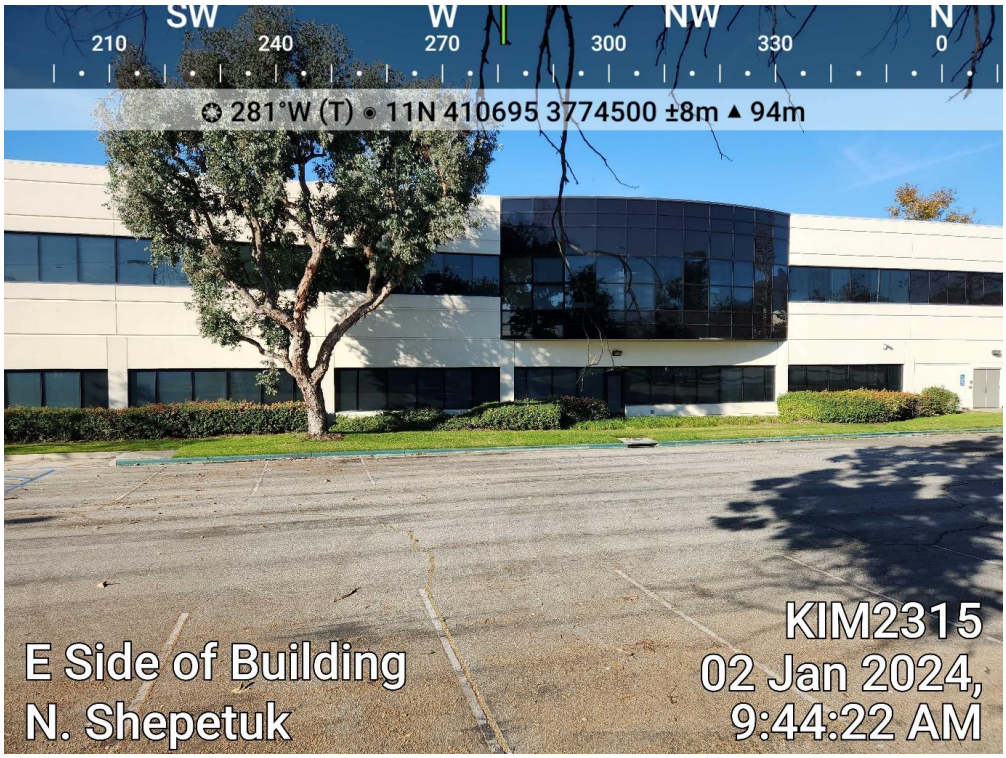


Photo 5: Overview

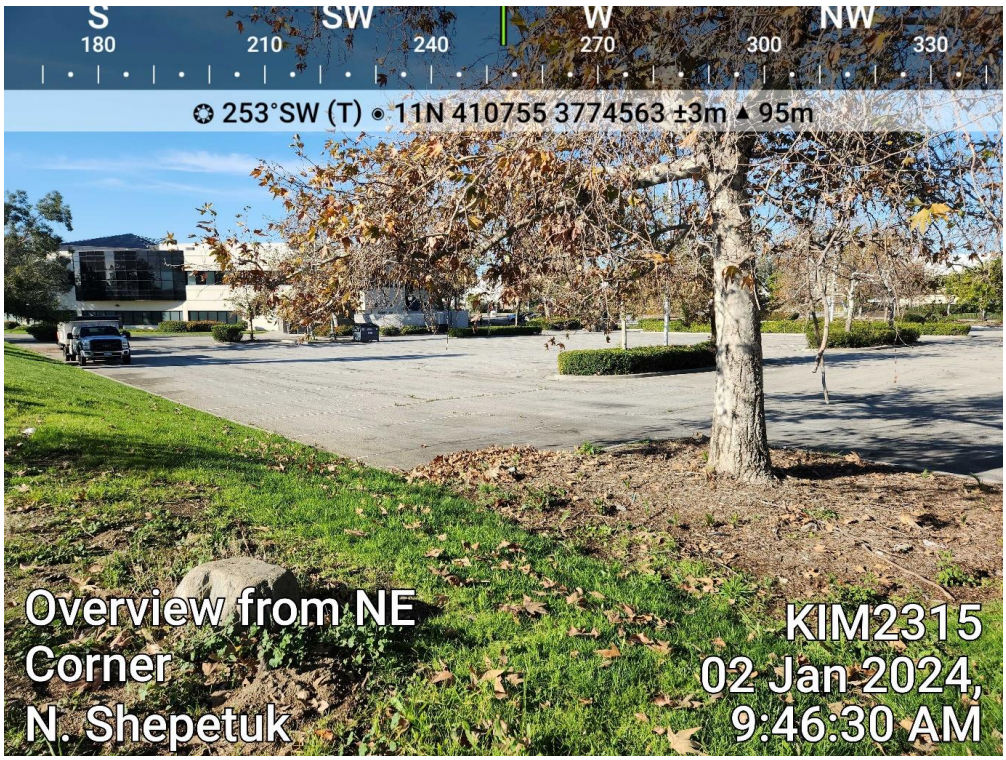


Photo 6: Overview

Appendix E

Energy Calculations

Kimley»Horn

Construction Fuel Consumption

On-Site Diesel[1] (off-road construction Equipment)	$MTCO_2e$	Gallons of Fuel[4]	County Fuel in 2025 (Start of Construction)	Percent
Demolition	70	6,911		
Site Preparation/Grading	150	14,800		
Building Construction	200	19,672		
Paving	8	745		
Architectural Coating	4	394		
Total	432	42,522	532,570,627	0.0080%
Off-Site Diesel[1] (on-road construction trips)				
Demolition	102	10,028		
Site Preparation/Grading	0	0		
Building Construction	45	4,472		
Paving	0	0		
Architectural Coating	0	0		
Total	147	14,500	532,570,627	0.0027%
Off-Site Gasoline[2]				
Demolition	4	469		
Site Preparation/Grading	8	868		
Building Construction	47	5,354		
Paving	1	112		
Architectural Coating	6	681		
Total	66	7,484	3,536,229,368	0.0002%
Total Diesel Fuel		57,022	532,570,627	0.0107%
Total Gasoline Fuel		7,484	3,536,229,368	0.0002%
Total Construction Fuel	645	64,506		

Construction Phase[3]	Demolition			Site Preparation			Grading/Infrastructure Improvements		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)
2025	70	102	4	108	0	5	42	0	3
2026	0	0	0	0	0	0	0	0	0
Total	**70**	**102**	**4**	**108**	**0**	**5**	**42**	**0**	**3**

Construction Phase[3]	Building Construction (Infrastructure Improvements)			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)
2025	0	0	0	0	0	0	0	0	0
2026	28	6	7	8	0	1	1	0	6
Total	**28**	**6**	**7**	**8**	**0**	**1**	**4**	**0**	**6**

Construction Phase[3]	Building Construction		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)
2025	0	0	0
2026	171	39	40
Total	**171**	**39**	**40**

Notes:

[1] Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

[2] Fuel used for worker trips assumed to be gasoline

[3] MTCO2e rates from CalEEMod (3.0 Construction Emissions Details).

Construction Water Energy

Daily Soil Disturbance[1]	98.5	acres
Days of Soil Disturbance[2]	76	days
Water Concentration[3]	3,020	gallons/acre
Water Energy Intensity[4]	6,807	kWh/MG
Total Construction Water	22.61	million gallons
Construction Water Energy	153,891	kWh
	0.1539	GWh
Los Angeles County Annual Electricity	68,485	GWh
Percentage Increase	0.00022%	

Notes:

[1] Total daily acres disturbed from offroad equipment per CalEEMod (3.0 Construction Emissions Detail) and maximum SCAQMD LST values for soil-disturbing equipment.

[2] Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).

[3] Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

[4] Water energy intensity factor for subarea per CalEEMod User Guide, Appendix G, Tab G-32.

Operational Fuel

MITIGATED							
Vehicle Type	**Percent**	**Annual VMT[1]**	**MPG[2]**	**Annual Fuel (Gallons)**	**Fuel Type**	**Los Angeles County Gallons[3]**	**RS Percent**
Passenger Cars	0.975	701,954	21.6	32,498	Gas	3,446,400,366	0.0009%
Light/Medium Trucks	0.025	18,182	17.2	1,057	Diesel	535,038,344	0.0002%
Heavy Trucks/Other	0.000	0	6.1	0	Diesel	535,038,344	0.0000%
Total	1.00	720,136		1,057			0.0002%

Land Use[5]	**LDA**	**LDT1**	**LDT2**	**MCY**	**MDV**	**LHD1**	**LHD2**	**MHD**	**OBUS**	**UBUS**	**SBUS**	**MH**	**HHD**
Unrefrigerated Warehouse-No Rail	65.118	3.0545	15.2808	1.8759	12.1463	2.5248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Notes:

[1] Total annual operational VMT based on annual VMT from CalEEMod (5.9 Operational Mobile Sources).

[2] Average fuel economy derived from Department of Transportation.

[3] Total annual county fuel per EMFAC 2021 model of projected operational fuel usage.

Operational Water Energy

UNMITIGATED		
Unmitigated Indoor	23.7	million gallons
Indoor Energy Intensity Factor[1]	6,807	kWh/MG
Unmitigated Outdoor	0	million gallons
Outdoor Energy Intensity Factor[2]	6,807	kWh/MG
Operational Water Energy	161,228	kWh
Operational Water Energy	0.1612	GWh
Los Angeles County Annual Electricity	68,485	GWh
Percentage Increase	0.0002%	
MITIGATED		
Mitigated Indoor	23.7	million gallons
Indoor Energy Intensity Factor[1]	6,807	kWh/MG
Mitigated Outdoor	0	million gallons
Outdoor Energy Intensity Factor[2]	6,807	kWh/MG
Operational Water Energy	161,228	kWh
Operational Water Energy	0.1612	GWh
Los Angeles County Annual Electricity	68,485	GWh
Percentage Increase	0.0002%	

Land Use[3]	Unmitigated (gal/year)		Mitigated (gal/year)	
	Indoor	Outdoor	Indoor	Outdoor
Unrefrigerated Warehouse-No Rail	23685550	0	23685550	0
Parking Lot	0	0	0	0
Total Operational Water (MG/year)	**23.686**	**0.000**	23.686	0

Notes:

[1] Indoor water energy intensity factor for subarea per CalEEMod User Guide, Appendix G, Tab G-32. Factor includes supply, treatment, distribution, and wastewater.

[2] Outdoor water energy intensity factor for subarea per CalEEMod User Guide, Appendix G, Tab G-32. Factor includes supply, treatment, and distribution.

[3] Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).

Elecricity/Natural Gas Energy

UNMITIGATED			
	Unmitigated Project Annual Energy	Los Angeles County Annual Energy[3]	Percentage Increase
Electricity (kWh/yr)	594,215	68,484,956,280	0.0009%
Electricity (GWh/yr)	0.5942	68,485	0.0009%
Natural Gas (kBTU/yr)	1,974,340	282,028,593,500	0.0007%
Natural Gas (therms/yr)	19,743	2,820,285,935	0.0007%
MITIGATED			
	Mitigated Project Annual Energy	Los Angeles County Annual Energy[3]	Percentage Increase
Electricity (kWh/yr)	0	68,484,956,280	0.0000%
Electricity (GWh/yr)	0.0000	68,485	0.0000%
Natural Gas (kBTU/yr)	0	282,028,593,500	0.0000%
Natural Gas (therms/yr)	0	2,820,285,935	0.0000%

Land Use	Electricity[1] (kWh/yr)		Natural Gas[2] (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
Unrefrigerated Warehouse-No Rail	479381.4979	0	1974339.997	0
Parking Lot	114833.9618	0	0	0
Total Energy	**594,215**	**0**	1974339.997	0

Notes:

[1] Electricity use per CalEEMod (5.11 Operational Energy Consumption).

[2] Natural Gas use per CalEEMod (5.11 Operational Energy Consumption).

[3] County total energy values from California Energy Commission energy reports available through ecdms.energy.ca.gov. (year 2022)

Appendix F

Geotechnical Exploration Report

Kimley»Horn

GEOTECHNICAL EXPLORATION REPORT
PROPOSED INDUSTRIAL BUILDING
14005 LIVE OAK AVENUE
IRWINDALE, CALIFORNIA

Prepared For

REXFORD INDUSTRIAL REALTY & MANAGEMENT, INC.
11620 WILSHIRE BOULEVARD, 10TH FLOOR
LOS ANGELES, CALIFORNIA 90025

Prepared By

LEIGHTON CONSULTING, INC.
2600 MICHELSON DRIVE, SUITE 400
IRVINE, CALIFORNIA 92612

Project Number 13384.001

March 21, 2023

Leighton Consulting, Inc.
A Leighton Group Company

March 21, 2023

Project No. 13384.001

Rexford Industrial Realty & Management, Inc.
11620 Wilshire Boulevard, 10th Floor
Los Angeles, California 90025

Attention: Mr. James Hwang

Subject: Geotechnical Exploration Report
Proposed Industrial Building
14005 Live Oak Avenue
Irwindale, California

Per your request and authorization, Leighton Consulting, Inc. (Leighton) has prepared this geotechnical exploration report for the subject project. We understand the proposed development concept for the site includes demolition of the existing building and site improvements to allow construction of a new one-story concrete tilt-up industrial building. The proposed building has a total building area of 102,400 square feet and will be constructed at grade in the western portion of the site with dock-high truck loading on the eastern side of the building. Associated trailer parking and surface parking are also planned in the northeastern and eastern portions of the site. Ancillary improvements will likely consist of utility infrastructure, pavement, flatwork, and landscaping.

The purpose of our geotechnical exploration was to evaluate subsurface conditions at the site, identify potential geologic and seismic hazards that may affect the project, and provide preliminary geotechnical recommendations for design and construction of the proposed improvements as currently planned.

The project is considered feasible from a geotechnical standpoint. The results of our exploration and preliminary conclusions and recommendations are presented in this report.

We appreciate the opportunity to be of service to you on this project. If you have any questions or if we can be of further service, please contact us at ***(866) LEIGHTON***; or specifically at the phone extensions or e-mail addresses listed below.



Respectfully submitted,

LEIGHTON CONSULTING, INC.

Jeffrey M. Pflueger, PG, CEG 2499
Associate Geologist
Extension 4257, jpflueger@leightongroup.com



Carl C. Kim, PE, GE 2620
Senior Principal Engineer
Extension: 4262, ckim@leightongroup.com

BM/MM/JMP/CCK/lr

Distribution: (1) Addressee

TABLE OF CONTENTS

Section **Page**

1.0 INTRODUCTION 1

1.1 Site Description and Proposed Development 1
1.2 Purpose and Scope 2

2.0 GEOTECHNICAL FINDINGS 5

2.1 Regional Geologic Setting 5
2.2 Surficial Geology 5
2.3 Subsurface Soil Conditions 5
2.3.1 Expansive Soil Characteristics 6
2.3.2 Soil Corrosivity 7
2.3.3 Shear Strength 7
2.3.4 Shear Wave Velocity 7
2.3.5 Excavation Characteristics 7
2.4 Groundwater Conditions 8
2.4.1 Infiltration 8
2.5 Surface Fault Rupture 10
2.6 Strong Ground Shaking 11
2.7 Liquefaction Potential 12
2.8 Seismically-Induced Settlement 12
2.9 Lateral Spreading 12
2.10 Earthquake-Induced Landsliding 13
2.11 Flooding 13
2.12 Seiches and Tsunamis 13

3.0 GEOTECHNICAL DESIGN RECOMMENDATIONS 14

3.1 Site Grading 14
3.1.1 Site Preparation 15
3.1.2 Removals and Overexcavations 15
3.1.3 Excavation Bottom Preparation 15
3.1.4 Fill Materials 16
3.1.5 Fill Placement and Compaction 16
3.1.6 Shrinkage 16
3.1.7 Reuse of Concrete and Asphalt Rubble 17
3.2 Foundation Design 17
3.3 Slabs-on-Grade 18
3.4 Cement Type and Corrosion Protection 19
3.5 Retaining Walls 19
3.5.1 Sliding and Overturning 20

3.5.2 Drainage 20
3.6 Paving 21
3.6.1 Asphalt Concrete 21
3.6.2 Portland Cement Concrete Paving 22
3.6.3 Base Course 22
3.7 Infiltration BMP Design Considerations 23
3.8 Temporary Excavations 24
3.9 Trench Backfill 25
3.10 Drainage and Landscaping 25
3.11 Additional Geotechnical Services 25
4.0 LIMITATIONS 27
5.0 REFERENCES 28

Attachments

Important Information About Your Geotechnical Engineering Report Rear of Text

Figure 1 – Site Location Map Rear of Text
Figure 2 – Exploration Location Map Rear of Text
Figure 3 – Regional Geology Map Rear of Text
Figure 4 – Regional Fault and Historical Seismicity Map Rear of Text
Figure 5 – Seismic Hazard Map Rear of Text
Figure 6 – Flood Hazard Zone Map Rear of Text
Figure 7 – Dam Inundation Map Rear of Text
Figure 8 – Retaining Wall Backfill and Subdrain Detail (EI≤50) Rear of Text

Appendices

Appendix A – Exploration Logs
Appendix B – Percolation Test Data
Appendix C – Laboratory Test Results
Appendix D – Geophysical Evaluation (Atlas, 2022)

1.0 INTRODUCTION

1.1 Site Description and Proposed Development

The project site is located at 14005 Live Oak Avenue in the city of Irwindale, California. The site location (latitude 34.107659°, longitude -117.968701°) and immediate vicinity are shown on Figure 1, *Site Location Map.*

The project site is irregular in shape and covers approximately 5.1 acres. The site is bordered by Live Oak Avenue to the south, Stewart Avenue to the west, Rivergrade Road to the northwest, an existing paved parking lot to the northeast, and a vacant lot to the east. Access to the site is via Live Oak Avenue from the south, Stewart Avenue from the west and Rivergrade Road from the northwest. The site is currently occupied by one (1) existing 2-story building located in the central portion of the site and associated paved surface parking and access.

The project site is relatively flat with sheet flow generally directed to the southwest over paved surfaces to curbs and gutters. Review of the United States Geological Survey (USGS) 7.5-Minute Baldwin Park Quadrangle (USGS, 2018) indicates the site is between approximately Elevation (El.) +410 feet and +420 feet mean sea level (msl).

Based on review of historic aerial photographs, the project site appears to have been occupied since at least 1948 as several structures were present in and around the site boundaries during this time (NETR, 2022). Between approximately 1980 and 1992, many of the previously existing structures appear to have been removed, and by 1993 the existing commercial building appears to have been constructed in its current configuration.

Based on review of the *Site Plan* for the project, dated December 22, 2022, we understand the proposed development for the site includes site demolition of the existing building and site improvements to allow construction of a new one-story concrete tilt-up industrial building. The proposed building has a total building area of 102,400 square feet and will be constructed at grade in the western portion of the site with dock-high truck loading on the eastern side of the building. Associated trailer parking and surface parking are also planned in the northeastern and eastern portions of the site. Ancillary improvements will likely consist of utility infrastructure, pavement, flatwork, and landscaping.

1.2 Purpose and Scope

The purpose of our geotechnical exploration was to evaluate the subsurface conditions at the site relative to the proposed development concept and provide geotechnical recommendations to aid in the design and construction for the project as currently planned. The scope of this geotechnical exploration included the following tasks:

- *Background Review* – We reviewed readily available in-house geotechnical reports, literature, aerial photographs, and maps relevant to the site. We evaluated geological hazards and potential geotechnical issues that may significantly impact the site. The documents reviewed are listed in Section 5.0, *References*.

- *Pre-Field Exploration Activities* – A site visit was performed by a member of our technical staff to mark the proposed exploration locations. Dig Alert (811) was notified to locate and mark existing underground utilities prior to our subsurface exploration.

- *Field Exploration* – Our subsurface exploration was performed on January 4, 2022, and included drilling, logging, and sampling of three (3) hollow-stem auger borings (designated LB-1 through LB-3) to depths between approximately 12 and 20 feet below the existing ground surface (bgs). Two (2) additional borings (designated LP-1 and LP-2) were drilled to approximate depths between 5.4 and 10 feet bgs for subsequent percolation testing. It should be noted that borings LB-1 through LB-3 and LP-1 encountered practical drilling refusal at various depths between approximately 5.4 and 20 feet bgs, likely due to oversized materials such as cobbles or boulders. The approximate locations of the explorations are shown on Figure 2, *Exploration Location Map.* The boring logs are presented in Appendix A, *Exploration Logs.*

  Bulk and drive samples were obtained from the borings for geotechnical laboratory testing. Driven ring samples were collected from the borings using a Modified California ring-lined sampler conducted in accordance with ASTM Test Method D 3550. Standard Penetration Tests (SPTs) were also performed within the borings in accordance with ASTM Test Method D 1586. Samples were collected at 2.5-foot to 5-foot intervals throughout the depth of exploration. In both test methods, the sampler is driven below the bottom of the borehole by a 140-pound weight (hammer) free-falling 30 inches. The drilling rig was equipped with an automatic hammer to provide greater consistency in the drop

height and striking frequency. The number of blows to drive the sampler the final 12 inches of the 18-inch drive interval is termed the "blowcount" or SPT N-value. The N-values provide a measure of relative density in granular (non-cohesive) soils and comparative consistency in cohesive soils. The number of blows per 6 inches of penetration was recorded on the boring logs, see Appendix A, *Exploration Logs.*

The borings were logged in the field by a geologist from our firm. Each soil sample collected was reviewed and described in accordance with the Unified Soil Classification System (USCS). The samples were sealed and packaged for transportation to our laboratory. After completion of drilling, borings LB-1 through LB-3 were backfilled to the ground surface with soils generated during the exploration and patched with cold-mix asphalt concrete to match existing surface conditions. Excess soil cuttings from the borings were spread in planter areas.

- *Percolation Testing* – Borings LP-1 and LP-2 (Figure 2) were converted to temporary percolation test wells upon completion of drilling and sampling. The test wells consisted of 2-inch slotted (0.020") PVC well casing surrounded by #3 Monterey Sand placed in the annulus of the well within the test zone. In-situ percolation testing was performed on January 5, 2022 in general accordance with the County of Los Angeles Department of Public Works (LADPW) *Guidelines for Geotechnical Investigation* and Reporting, *Low Impact Development Stormwater Infiltration* (LADPW, 2021). The results of the percolation testing are presented in Appendix B, *Percolation Test Data*. Refer to the discussion of infiltration rate presented in Section 2.4.1, *Infiltration*. Upon completion of the percolation testing, the well casing was removed from each boring and the borings were backfilled with soil cuttings and patched at the surface with cold-mix asphalt concrete to match existing site conditions.

- *Laboratory Testing* – Laboratory tests were performed on selected soil samples obtained from the borings during our field investigation. The laboratory testing program was designed to evaluate the physical and engineering characteristics of the onsite soil. Tests performed during this investigation include:

  - In- situ Moisture Content and Dry Density (ASTM D2216 and ASTM D2937);
  - Direct Shear (ASTM D3080);
  - Consolidation (ASTM D 2435);
  - Maximum Dry Density (ASTM D1557);

- Expansion Index (ASTM D4829);
- Particle-Size Distribution (ASTM D 6913);
- R-value; and
- Corrosivity Suite – pH, Sulfate, Chloride, and Resistivity (California Test Methods 417, 422, and 532/643).

Results of the in-situ moisture content and dry density testing are presented on the boring logs in Appendix A. Other laboratory test results are presented in Appendix C, *Laboratory Test Results*

- *Geophysical Evaluation* – Due to relatively shallow refusal of the hollow-stem auger borings advanced at the site, a geophysical evaluation was performed at the site by Atlas Technical Consultants, LLC (Atlas, 2022) to evaluate the subsurface soils at depth and to develop a shear-wave velocity profile of the subsurface earth materials at the site to definitively classify the Site Class for seismic design. The geophysical survey consisted of performing two (2) refraction microtremor (ReMi) profiles approximately 230 feet in length in the northern and western portions of the site. The ReMi technique uses recorded surface waves (specifically Rayleigh waves) that are contained in background noise to develop a shear-wave velocity profile of the study area down to a depth of approximately 100 feet. The locations of the ReMi profiles are shown on Figure 2, *Exploration Location Map*, and a copy of the report prepared by Atlas (2022) documenting the results of the geophysical evaluation is included in Appendix D, *Geophysical Evaluation* (Atlas, 2022).

- *Engineering Analysis* – The data obtained from our background review and field exploration were evaluated and analyzed to develop recommendations for the proposed development.

- *Report Preparation* – This report presents our findings, conclusions, and preliminary recommendations for the proposed warehouse development.

2.0 GEOTECHNICAL FINDINGS

2.1 Regional Geologic Setting

The site is located in the northeastern portion of the San Gabriel Valley in the northern portion of the Peninsular Ranges Geomorphic Province of Southern California. The Peninsular Ranges province extends approximately 900 miles southward from the Santa Monica Mountains to the tip of Baja California (Yerkes, et al., 1965) and is characterized by elongated, northwest-trending mountain ridges and sediment-floored valleys. The province includes numerous northwest trending fault zones, most of which either gradually truncate, merge with, or are terminated by faults that form the southern margin of the Transverse Ranges province. These northwest trending fault zones include the San Jacinto, Whittier-Elsinore, Palos Verdes, and Newport-Inglewood fault zones.

The San Gabriel Valley is an almost enclosed basin drained by the Rio Hondo and San Gabriel Rivers. Sediments within the Valley include about 6,000 feet of marine and non-marine sedimentary rocks of Quaternary age (Yerkes, et al. 1965). The San Gabriel Valley is bound on the north by the San Gabriel Mountains, on the northwest by the Verdugo Mountains and Raymond Hill fault, on the east and southeast by the San Jose Hills, and on the south by the Puente Hills, Montebello Hills and Repetto Hills.

2.2 Surficial Geology

The site is located approximately 1,000 feet to the southeast of the channelized San Gabriel River and immediately southwest of the Santa Fe Dam in an area geologically mapped to be underlain by Quaternary-age (Holocene) young alluvial fan deposits generally consisting of unconsolidated to slightly consolidated coarse-grained sand to boulder sediments (Morton and Miller, 2006; Dibblee Jr., 1999). The surficial geologic units mapped in the vicinity of the project site are shown on Figure 3, *Regional Geology Map*.

2.3 Subsurface Soil Conditions

Based on our subsurface explorations, the site is underlain by a thin layer of undocumented artificial fill materials (Afu) overlying Quaternary-aged alluvial gravel and sand (Qg). The artificial fill encountered in our borings at the explored locations is generally about 2 feet in thickness across the site, likely associated with existing and previous site improvements. The fill soils consist primarily of

locally derived silty sand with gravel. Localized thicker accumulations of the fill materials should be anticipated between explored locations during future earthwork construction, in particular beneath the existing building.

Below the veneer of artificial fill, Quaternary-aged alluvial sand and gravel deposits (Qg) were encountered in the borings to the maximum depth explored of 20 feet bgs. The alluvial deposits encountered generally consist of light gray, brown to brown, slightly moist to moist, very dense gravelly sand, sandy gravel, and gravel. It should be noted that borings LB-1 through LB-3 and LP-1 encountered practical drilling refusal at various depths between approximately 5.4 and 20 feet bgs, likely due to oversized materials such as cobbles or boulders.

Detailed descriptions of the subsurface soils encountered in the borings are presented on the logs included in Appendix A. Some of the engineering properties of these soils are described in the following sections. The locations of the borings are shown on Figure 2, *Exploration Location Map*.

2.3.1 Expansive Soil Characteristics

Expansive soils contain significant amounts of clay particles that swell considerably when wetted and which shrink when dried. Foundations constructed on these soils are subject to uplifting forces caused by the swelling. Without proper mitigation measures, heaving and cracking of both building foundations and slabs-on-grade could result.

One (1) near-surface soil sample obtained during our subsurface exploration was tested for expansion potential. The test results indicate an Expansion Index (EI) value of 0 (“very low” potential for expansion). The Expansion Index laboratory test results are included in Appendix C of this report.

Expansive soils will likely not impact the proposed construction. Variance in expansion potential of onsite soil is anticipated; therefore, additional testing is recommended upon completion of site grading and excavation to confirm the expansion potential presented in this report. For purposes of this report and based upon visual characterization of alluvial materials at approximate foundation depth, very low expansion potential of site materials may be considered to support design and verified upon completion of earthwork grading.

2.3.2 Soil Corrosivity

One bulk soil sample of the onsite soils recovered as a part of our subsurface exploration was tested for corrosivity to assess corrosion potential to buried concrete. The chemical analysis test results for the onsite soil from our geotechnical exploration are included in Appendix C of this report.

The test results indicate a soluble sulfate concentration of 119 parts per million (ppm), chloride content of 120 ppm, pH value of 8.63, and minimum resistivity value of 3,600 ohm-cm.

The results of the resistivity tests indicate the underlying soil is moderately corrosive to buried ferrous metals per ASTM STP 1013. Based on the measured water-soluble sulfate contents from the soil samples, concrete in contact with the soil is expected to have negligible exposure to sulfate attack per ACI 318 (ACI, 2014). The samples tested for water-soluble chloride content indicate a low potential for corrosion of steel in concrete due to the chloride content of the soil.

2.3.3 Shear Strength

Evaluation of the shear strength characteristics of the soils included laboratory direct shear testing. The results of testing are included in Appendix C as well as summary graphs that provide values of angle of internal friction (ø) and cohesion (c) for use in geotechnical analysis.

2.3.4 Shear Wave Velocity

Based on the results of the geophysical survey performed the site by Atlas (2022), the average characteristic site shear-wave velocity of the subsurface earth materials down to a depth of 100 feet ranges between 1,598 and 1,648 feet per second (f/s) and correspond to Site Class C per the 2022 California Building Code (CBC). A copy of the report prepared by Atlas (2022) documenting the results of the geophysical evaluation is included in Appendix D, *Geophysical Evaluation* (Atlas, 2022).

2.3.5 Excavation Characteristics

Based on our subsurface explorations performed at the site and our experience from grading jobs in the vicinity of the site, we anticipate the

onsite artificial fill and alluvial materials can generally be excavated using conventional excavation equipment in good operating condition.

The soils within the planned excavation depths consist of layers that contain granular, unconsolidated soils with little or no cementation and very few fines with varying proportions of gravel and cobbles. These materials are prone to cave in or collapse in unshored excavations. See Section 3.8, *Temporary Excavations* for additional information on soil type and excavation characteristics.

In addition, oversized materials greater than 6 inches in diameter (i.e. cobbles and/or boulders) will be encountered during excavation. Oversized materials larger than 6 inches in diameter encountered during site grading will require special handling, and may be placed in non-structural areas or areas of deep fill at depth below anticipated excavations such as for any footings, utilities, future developments, etc. *It is important that a contractor with excavation experience in similar conditions should be consulted for the proper handling of oversized materials*.

2.4 Groundwater Conditions

Groundwater was not encountered in any of the explorations performed at the site to the maximum depth explored of 20 feet bgs. Based on the Seismic Hazard Zone Report for the Baldwin Park Quadrangle (CGS, 1998), the historically shallowest groundwater depth is reported to be approximately 100 and 150 feet bgs. In addition, based on review of available groundwater information from the California Department of Water Resources for a nearby groundwater monitoring well located immediately to the east of the project site (Station 341074N1179660W001), the shallowest groundwater level measured for a monitoring period between July 2011 and January 2013 was approximately 178.4 feet bgs. Therefore, based on these findings, groundwater is not expected to pose a constraint during or after construction.

2.4.1 Infiltration

Percolation testing was performed within temporary percolation wells installed in borings LP-1 and LP-2 to evaluate the infiltration characteristics of subsurface soils. The percolation tests were conducted in general accordance with the County of Los Angeles Department of Public Works (LADPW) *Guidelines for Geotechnical Investigation and Reporting Low*

Impact Development Stormwater Infiltration (LADPW, 2021). Results of the percolation testing are presented in Appendix B, *Percolation Test Data*. The test locations and zones tested are shown on Figure 2, *Exploration Location Map*.

A boring percolation test is useful for field measurements of the infiltration rate of soils and is suited for testing when the design depth of the infiltration device is deeper than current existing grades, especially in areas where it is difficult to dig test pits, or where the depths of these test pits would be considerably deep. At the subject site, testing consisted of advancing the borings to general depths anticipated for the invert of typical near-surface infiltration devices.

A falling-head test method was employed for test well LP-1 in which the volume of discharge was calculated by adding the total volume of water that dropped within the PVC pipe and within the annulus and incorporating a porosity reduction factor to account for the porosity of the annulus material. The flow area was based on the average water height within the slotted pipe section of the test well. The infiltration rate was calculated by dividing the rate of discharge by the infiltration surface area, or flow area.

A constant-head test, or high flowrate test, was implemented at test well LP-2 due to the permeable characteristics of the site soils. The infiltration rate was calculated by recording the approximate volume of water delivered to the test zone while maintaining a relatively constant height of water in the well over the testing period. A water source (garden hose from onsite water source) was used to deliver water to the wells at a relatively constant rate. The measured infiltration rate was calculated according to the procedure for a high flowrate percolation test, by dividing the total volume of water by the total duration of the test and dividing by the percolation surface area.

The design infiltration rate incorporates a reduction factor for the test procedure, site variability, number of tests, thoroughness of subsurface investigation and long-term siltation, plugging and maintenance. As such, we have applied an appropriate reduction factor to the small-scale infiltration rates measured at test wells LP-1 and LP-2 for use in design of the system(s) in accordance with the County of Los Angeles Guidelines (LADPW, 2021). In addition, based on the variability of the results and the unknown location and depth of the planned stormwater infiltration device(s), additional testing may be required.

Detailed results of the field testing data, measured infiltration rate and design infiltration rate for the tests performed are presented in Appendix B, *Percolation Test Data*. The test results are summarized in the table below:

Table 1 – Measured (Unfactored) Infiltration Rate

Test Well Designation	Approximate Depth of Test Zone (feet bgs)	Measured Infiltration Rate (inch per hour)	Design Infiltration Rate (inch per hour)
LP-1	2 to 5	3.82	1.27
LP-2	5 to 10	17.8	3.57

Based on County of Los Angeles requirements, the design infiltration rates at the tested locations and depths for both LP-1 and LP-2 meet the minimum feasibility criteria of 0.3 inch per hour. Therefore, based on the results of the testing presented above, stormwater infiltration **is** feasible at the project site.

2.5 Surface Fault Rupture

Our review of available literature indicates that no known active faults have been mapped across the site, and the site is **not** located within a currently established *Alquist-Priolo Earthquake Fault Zone* (CGS, 2018; Bryant and Hart, 2007). Therefore, a surface fault rupture hazard evaluation is not mandated for this site and the potential for surface fault rupture at the site is expected to be low.

The location of the closest active faults to the site was evaluated using the United States Geological Survey (USGS) Earthquake Hazards Program National Seismic Hazard Maps (USGS, 2008). The closest active faults to the site with the potential for surface fault rupture are the Sierra Madre fault, Raymond fault, Clamshell-Sawpit fault and San Jose fault, located approximately 3.2 miles, 4.0 miles, 5.1 miles and 6.9 miles from the site, respectively. The San Andreas fault, which is the largest active fault in California, is approximately 23 miles northeast of the site on the north side of the San Gabriel Mountains. Major regional faults with surface expression in proximity to the site are shown on Figure 4, *Regional Fault and Historic Seismicity Map*.

2.6 Strong Ground Shaking

The principal seismic hazard to the site is ground shaking resulting from an earthquake occurring along any of several major active and potentially active faults in southern California (Figure 4). The intensity of ground shaking at a given location depends primarily upon the earthquake magnitude, the distance from the source, and the site response characteristics.

Accordingly, design of the project should be performed in accordance with all applicable current codes and standards utilizing the appropriate seismic design parameters to reduce seismic risk as defined by California Geological Survey (CGS) Chapter 2 of Special Publication 117A (CGS, 2008). The 2022 edition of the California Building Code (CBC) is the current edition of the code. Through compliance with these regulatory requirements and the utilization of appropriate seismic design parameters selected by the design professionals, potential effects relating to seismic shaking can be reduced.

The following code-based seismic parameters should be considered for design under the 2022 CBC:

Table 2 – 2022 CBC Based Ground Motion Parameters (Mapped Values)

Categorization/Coefficient	Value
Site Latitude	34.107659°
Site Longitude	-117.968701°
Site Class	C
Mapped Spectral Response Acceleration at Short Period (0.2 sec), S_S	1.709 g
Mapped Spectral Response Acceleration at Long Period (1 sec), S_1	0.6 g
Short Period (0.2 sec) Site Coefficient, F_a	1.2
Long Period (1 sec) Site Coefficient, F_v	1.4
Adjusted Spectral Response Acceleration at Short Period (0.2 sec), S_{MS}	2.051 g
Adjusted Spectral Response Acceleration at Long Period (1 sec), S_{M1}	0.84 g
Design Spectral Response Acceleration at Short Period (0.2 sec), S_{DS}	1.367 g
Design Spectral Response Acceleration at Long Period (1 sec), S_{D1}	0.56 g
Site-adjusted geometric mean Peak Ground Acceleration, PGA_M	0.875 g

2.7 Liquefaction Potential

Liquefaction is a seismic phenomenon in which loose, saturated, fine-grained granular soils behave similarly to a fluid when subjected to high-intensity ground shaking. Liquefaction occurs when three general conditions exist: 1) shallow groundwater; 2) low density, fine, clean sandy soils; and 3) high-intensity ground motion. Studies indicate that saturated, loose and medium dense, near-surface cohesionless soils exhibit the highest liquefaction potential, while dry, dense, cohesionless soils and cohesive soils exhibit low to negligible liquefaction potential.

As shown on Figure 5, *Seismic Hazard Map*, the site is **not** mapped within a liquefaction hazard zone as delineated by the State of California (CGS, 1999). In addition, the historically shallowest groundwater depth is reported to be approximately 100 to 150 feet bgs (CGS, 1998). Based on these findings, liquefaction is not considered a hazard at the site.

2.8 Seismically-Induced Settlement

Seismically-induced settlement consists of dynamic settlement of unsaturated soil (above groundwater) and liquefaction-induced settlement (below groundwater). These settlements occur primarily within low density sandy soil due to reduction in volume during and shortly after an earthquake event.

Based on our evaluation of the site soils below the anticipated bearing grade of the proposed structure, the potential total earthquake-induced settlement is estimated to be less than 1 inch. The differential settlement can be taken as half the total settlement over a horizontal distance of 30 feet.

2.9 Lateral Spreading

Liquefaction may also cause lateral spreading. For lateral spreading to occur, the liquefiable zone must be continuous, unconstrained laterally, and free to move along gently sloping ground toward an unconfined area. Since liquefaction is not considered a hazard at the site and the site is relatively constrained laterally, earthquake-induced lateral spreading is also not considered a hazard at the site.

2.10 Earthquake-Induced Landsliding

As shown on Figure 5, the site is **not** mapped within a seismically-induced landslide hazard zone identified by the State of California (CGS, 1999). In addition, due to project site being relatively flat, it is our opinion that the potential for seismically-induced landslide hazard at the site is negligible.

2.11 Flooding

According to a Federal Emergency Management Agency (FEMA) flood insurance rate map (FEMA, 2008), the project site is located within a flood hazard area identified as "Zone X", which is defined as an area of minimal flood hazard. Regionally, storm runoff flow is generally directed to the southwest. As shown on Figure 6, *Flood Hazard Zone Map*, the site is **not** located within a flood hazard zone.

Earthquake-induced flooding can be caused by failure of dams or other water-retaining structures as a result of earthquakes. As shown on Figure 7, *Dam Inundation Map*, the site **is** mapped within an inundation zone associated with the Santa Fe Dam. However, the safety of dams and levees is regulated by the California Department of Water Resources (DWR), Division of Safety of Dams (DSOD) and Army Corp of Engineers (ACOE) and this dam is under continuous monitoring for safety against failure.

2.12 Seiches and Tsunamis

Seiches are large waves generated in enclosed bodies of water in response to ground shaking. Tsunamis are waves generated in large bodies of water by fault displacement or major ground movement. Based on the absence of an enclosed water body near the site and the inland location of the site, seiche and tsunami risks at the site are considered negligible.

3.0 GEOTECHNICAL DESIGN RECOMMENDATIONS

Based upon this study, we conclude that the proposed development for the subject site is feasible from a geotechnical standpoint, provided that the recommendations presented in this report are properly incorporated in design and construction.

The proposed structure may be supported on shallow spread-type foundations established in engineered fill or undisturbed natural soils. The floor slab may be supported directly on grade. There may be existing underground utilities that will also be impacted. Information on these utilities should be provided to Leighton for evaluation. All existing undocumented fill is recommended to be removed from the proposed building/structure footprint areas prior to placement of engineered fill. Oversized materials greater than 6 inches in diameter (i.e. cobbles and/or boulders) will be encountered during excavation, and will require special handling.

The recommendations below are based upon the exhibited geotechnical engineering properties of the soils and their anticipated response both during and after construction. The recommendations are also based upon proper field observation and testing during construction. The project geotechnical engineer should be notified of suspected variances in field conditions to determine the effect upon the recommendations subsequently presented. These recommendations are considered minimal and may be superseded by more restrictive requirements of the civil and structural engineers, the City of Irwindale, the County of Los Angeles and other governing agencies.

Leighton should review the grading and foundation plans and project specifications as they become available to verify that the recommendations presented in this report have been incorporated into the plans for this project.

3.1 Site Grading

All site grading should be performed in accordance with the applicable local codes and in accordance with the project specifications that are prepared by the appropriate design professional. The site soils include layers that contain granular, unconsolidated soils with little or no cementation and very few fines with varying proportions of gravel and cobbles. These materials are prone to cave in or collapse in unshored excavations.

3.1.1 Site Preparation

Prior to construction, the site should be cleared of any vegetation, trash, and/or debris within the area of proposed grading. These materials should be removed from the site. Any underground obstructions onsite should be removed. Efforts should be made to locate any existing utility lines to be removed or rerouted where interfering with the proposed construction. Any resulting cavities should be properly backfilled and compacted. After the site is cleared, the soils should be carefully observed for the removal of all unsuitable deposits. All undocumented fill or man-made debris, unsuitable native soils and former foundation remnants should be excavated and removed from the proposed building/structure footprint areas prior to placement of engineered fill.

3.1.2 Removals and Overexcavations

To provide uniform foundation support and reduce the potential for excessive static settlement, all existing undocumented fill and any unsuitable soil, as deemed by the geotechnical engineer, should be removed to expose suitable native soils and replaced as engineered fill below the proposed building and other structural improvements. Removals and overexcavations should be performed such that all undocumented fill is removed. Deeper overexcavations in localized areas may be recommended during grading by a representative of the geotechnical engineer depending on observed subsurface conditions.

3.1.3 Excavation Bottom Preparation

All excavation or removal bottoms should be observed by a representative of the geotechnical engineer prior to placement of fill or other improvements to determine that geotechnically suitable soil is exposed. Excavation bottoms observed to be suitable for fill placement or other improvements should be scarified to a depth of at least 8 inches, moisture-conditioned as necessary to achieve a moisture content within 2 percentage points of the optimum moisture content, and then compacted to a minimum of 95 percent of the laboratory derived maximum density as determined by ASTM Test Method D 1557 (Modified Proctor).

Gravelly and cobbly soils are anticipated at the bottom of excavations deeper than 5 feet bgs. It will be difficult to establish and maintain a smooth subgrade

in gravelly and cobbly soils. In these types of soil, fill or other improvements may be constructed directly over a rough subgrade free of disturbed materials. A working surface may be established about 6 inches above the design subgrade elevation to accommodate removal of disturbed materials prior to pouring concrete directly over the rough subgrade.

3.1.4 Fill Materials

On-site soil that is free of construction debris, organics, cobbles, boulders, rubble, or rock larger than 6 inches in largest dimension is suitable to be used as fill for support of structures. Oversized materials larger than 6 inches in diameter encountered during site grading may require special handling, and may be placed in non-structural areas or areas of deep fill at depth below anticipated excavations such as for any footings, utilities, future developments, etc. Any imported fill soil should be approved by the geotechnical engineer prior to import or use onsite.

3.1.5 Fill Placement and Compaction

Fill soils should be placed in loose lifts not exceeding 8 inches, moisture-conditioned to within 2 percent of optimum moisture content and compacted to a minimum of 95 percent of the maximum dry density as determined by ASTM Test Method D 1557. Aggregate base should be compacted to a minimum of 95 percent relative compaction.

3.1.6 Shrinkage

The change in volume of excavated and recompacted soil varies according to soil type and location. This volume change is represented as a percentage increase (bulking) or decrease (shrinkage) in volume of fill after removal and recompaction. Field and laboratory data used in our calculations included laboratory-measured maximum dry density for the general soil type encountered at the subject site, the measured in-place densities of near surface soils encountered and our experience.

Based upon the results of the in-place density and the moisture-density relationship exhibited by representative bulk samples of the near surface soils, recompaction of the soils is anticipated to result in volume shrinkage in the range of 10 to 15 percent. The estimated shrinkage does not include material losses due to removal of organic material or other unsuitable

bearing materials (debris, rubble, oversize material greater than 6-inches) and the actual shrinkage that occurs during grading may vary throughout the site.

3.1.7 Reuse of Concrete and Asphalt Rubble

If encountered during site clearing and/or during preparation activities, construction rubble (i.e., Portland cement concrete and asphalt concrete) may be incorporated in the proposed development. For use as structural fill, the processed material should be crushed to develop a relatively well-graded mixture with a maximum particle size of 3-inch nominal diameter. Concrete rubble should be free of rebar and processed asphalt pavement rubble may be used if mixed with the existing base course (where present). Processed material may be used as structural fill if uniformly mixed with onsite soils in proportion of 1 part processed asphalt to 3 parts soil. For use as pavement base course, rubble should be crushed to satisfy gradation requirements of Section 200-2.4 of the Standard Specifications for Public Works Construction. Such materials must be free of and segregated from any hazardous materials and/or organic material of any kind.

3.2 Foundation Design

Conventional spread footings established in engineered fill or undisturbed natural soils may be used to support the proposed building. Footings should be embedded a minimum 18 inches below the lowest adjacent grade. An average allowable soil bearing pressure of 3,000 pounds per square foot (psf) may be used for footings with a minimum width of 18 inches for continuous footings and 24 inches for isolated footings.

A one-third increase in the bearing value for short duration loading, such as wind or seismic forces may be used. The ultimate bearing capacity can be taken as 9,000 psf, which does not incorporate a factor of safety. A resistance factor of 0.5 should be used for initial bearing capacity evaluation with factored loads.

The recommended bearing values are net values, and the weight of concrete in the mat foundation can be taken as 50 pounds per cubic foot (pcf); the weight of soil backfill can be neglected when determining the downward loads.

The allowable bearing capacity for shallow footings is based on a total static settlement of ½ inch. Differential settlement can be taken as half the total settlement over a horizontal distance of 30 feet.

For static loading, 50 pounds per cubic inch (pci) may be assumed as the modulus of subgrade reaction (*k*). For seismic loading, a *k* value of 150 pci may be assumed.

Since settlement is a function of footing size and contact bearing pressure, differential settlement can be expected between adjacent columns or walls where a large differential loading condition exists. Once developed by the structural engineer, we should review total dead and sustained live loads for each column including plan location and span distance, to evaluate if differential settlements between dissimilarly loaded columns will be tolerable. Excessive differential settlement can be mitigated with the use of reduced bearing pressures, deeper footing embedment, possibly changing overexcavation schemes and using imported base material under spread footings, or possibly other methods.

Resistance to lateral loads will be provided by a combination of friction between the soil and structure interface and passive pressure acting against the vertical portion of the footings. For calculating lateral resistance, a passive pressure of 300 psf per foot of depth to a maximum of 3,000 psf and a frictional coefficient of 0.30 may be used. Note that the passive and frictional coefficients do not include a factor of safety. The frictional resistance and the passive resistance of the soils can be combined without reduction in determining the total lateral resistance.

3.3 Slabs-on-Grade

Unloaded concrete slabs may be designed using a modulus of subgrade reaction of 100 pci provided the subgrade is prepared as described in Section 3.1. From a geotechnical standpoint, we recommend slab-on-grade be a minimum 5 inches thick with No. 3 rebar placed at the center of the slab at 24 inches on center in each direction. The structural engineer should design the actual thickness and reinforcement based on anticipated loading conditions. Where moisture-sensitive floor coverings or equipment is planned, the slabs should be protected by a minimum 10-mil-thick vapor barrier between the slab and subgrade. A coefficient of friction of 0.35 can be used between the floor slab and the vapor barrier.

Minor cracking of concrete after curing due to drying and shrinkage is normal and should be expected; however, concrete is often aggravated by a high

water/cement ratio, high concrete temperature at the time of placement, small nominal aggregate size, and rapid moisture loss due to hot, dry, and/or windy weather conditions during placement and curing. Cracking due to temperature and moisture fluctuations can also be expected. The use of low-slump concrete or low water/cement ratios can reduce the potential for shrinkage cracking. Additionally, our experience indicates that the use of reinforcement in slabs and foundations can generally reduce the potential but not eliminate for concrete cracking.

To reduce the potential for excessive cracking, concrete slabs-on-grade should be provided with construction or weakened plane joints at frequent intervals. Joints should be laid out to form approximately square panels.

3.4 Cement Type and Corrosion Protection

Based on the results of laboratory testing, concrete structures in contact with the onsite soil are expected to have negligible exposure to water-soluble sulfates in the soil. Common Type II cement may be used for concrete construction onsite and the concrete should be designed in accordance with 2022 CBC requirements. However, concrete exposed to recycled water should be designed using Type V cement.

Based on our laboratory testing, the onsite soil is considered severely corrosive to ferrous metals. Ferrous pipe should be avoided by using high-density polyethylene (HDPE) or other non-ferrous pipe when possible. Ferrous pipe, if used, should be protected by polyethylene bags, tap or coatings, di-electric fittings or other means to separate the pipe from onsite soils.

3.5 Retaining Walls

Recommended lateral earth pressures are provided as equivalent fluid unit weights, in psf/ft. or pcf. These values do not contain an appreciable factor of safety, so the structural engineer should apply the applicable factors of safety and/or load factors during design.

On-site soils are likely suitable to be used as retaining wall backfill due to its low expansion potential, field and laboratory verification are recommended before use. However, site soils can be variable in composition, clast size and expansive characteristics. Should site soil for reuse behind retaining walls should be tested to ensure Expansion potential is less than 20 (EI<20). Recommended lateral earth

pressures for retaining walls backfilled with sandy soils with drained conditions as shown on Figure 8, *Retaining Wall Backfil*l *and Subdrain Detail* are as follows:

Table 3 – Retaining Wall Design Earth Pressures

Retaining Wall Condition (Level Backfill)	Equivalent Fluid Pressure (pounds-per-cubic-foot)*
Active (cantilever)	35
At-Rest (braced)	60
Passive Resistance (compacted fill)	300
Seismic Increment (add to active pressure)	25

*Only for level and drained properly compacted backfill

Walls that are free to rotate or deflect may be designed using active earth pressure. For basement walls or walls that are fixed against rotation, the at-rest pressure should be used. For seismic condition, the pressure should be distributed as an inverted triangular distribution and the dynamic thrust should be applied at a height of 0.6H above the base of the wall.

3.5.1 Sliding and Overturning

Total depth of retained earth for design of walls and for uplift resistance, should be measured as the vertical height of the stem below the ground surface at the wall face for stem design, or measured at the heel of the footing for overturning and sliding. A soil unit weight of 120 pcf may be assumed for calculating the actual weight of the soil over the wall footing, if drained, or 60 pcf if submerged, for properly compacted backfill.

3.5.2 Drainage

Adequate drainage may be provided by a subdrain system positioned behind the walls (Figure 8). Typically, this system consists of a 4-inch minimum diameter perforated pipe placed near the base of the wall (perforations placed downward). The pipe should be bedded and backfilled with pervious backfill material described in Section 300-3.6 of the Standard Specifications for Public Works Construction (Green Book), 2021 Edition. This pervious backfill should extend at least 2 feet out from the wall and to within 2 feet of the outside finished grade. This pervious backfill and pipe should be wrapped in filter fabric, such as Mirafi 140N or equivalent, placed as described in

Section 300-8.1 of the Standard Specifications for Public Works Construction (Green Book), 2021 Edition. The subdrain outlet should be connected to a free-draining outlet or sump.

Miradrain, Geotech Drainage Panels, or Enkadrain drainage geocomposites, or similar, may be used for wall drainage as an alternative to the Class 2 Permeable Material or drain rock backfill, particularly where horizontal space is limited adjacent to shoring (where walls are cast against shoring). These drainage panels should be connected to the perforated drainpipe at the base of the wall.

3.6 Paving

To provide support for paving, the subgrade soils should be prepared as recommended in the Section 3.1. Compaction of the subgrade, including trench backfills, to at least 90 percent of the maximum dry density as determined by ASTM Test Method D 1557, and achieving a firm, hard, and unyielding surface will be important for paving support. The preparation of the paving area subgrade should be performed immediately prior to placement of the base course. Proper drainage of the paved areas should be provided since this will reduce moisture infiltration into the subgrade and increase the life of the paving.

3.6.1 Asphalt Concrete

The required paving and base thicknesses will depend on the expected wheel loads and volume of traffic (Traffic Index or TI). Assuming that the paving subgrade will consist of engineered fill with an R-value greater than 50, compacted to at least 90 percent as recommended, the minimum recommended paving thicknesses are presented in the following table. Results of R-value testing on near surface samples of existing onsite soils indicate a value of 75.

Table 4 – Asphalt Concrete Pavement Sections

Traffic Index	Asphalt Concrete (inches)	Base Course (inches)
5	3	4
6	3	6
7	4	6
8	5	6
9	5	8

The asphalt paving sections were determined using the Caltrans design method. We can determine the recommended paving and base course thicknesses for other Traffic Indices if required. Careful inspection is recommended to verify that the recommended thicknesses or greater are achieved, and that proper construction procedures are followed.

3.6.2 Portland Cement Concrete Paving

We have assumed that such a subgrade will have an R-value of at least 50, which will need to be verified after the completion of site grading.

Portland cement concrete (PCC) paving sections were determined in accordance with procedures developed by the Portland Cement Association. Concrete paving sections for a range of Traffic Indices are presented in the following table. We have assumed that the Portland cement concrete will have a compressive strength of at least 3,000 pounds per square inch.

Table 5 – PCC Pavement Sections

Traffic Index	PCC (inches)	Base Course (inches)
5	5	4
6	6	4
7	6½	4
8	7	4
9	8	4

The paving should be provided with expansion joints at regular intervals no more than 15 feet in each direction. Load transfer devices, such as dowels or keys, are recommended at joints in the paving to reduce possible offsets. The paving sections in the above table have been developed based on the strength of unreinforced concrete. Steel reinforcing may be added to the paving to reduce cracking and to prolong the life of the paving.

3.6.3 Base Course

The base course for both asphalt concrete and Portland cement concrete paving should meet the specifications for Class 2 Aggregate Base as defined in Section 26 of the latest edition of the State of California, Department of Transportation, Standard Specifications. Alternatively, the

base course could meet the specifications for untreated base as defined in Section 200-2 of the latest edition of the Standard Specifications for Public Works Construction. The base course should be compacted to a minimum of 95 percent of the maximum dry density as determined by ASTM Test Method D1557.

3.7 Infiltration BMP Design Considerations

Per County of Los Angeles *Guidelines for Geotechnical Investigation and Reporting – Low Impact Development Stormwater Infiltration* (LADPW, 2021), we have applied a reduction factor to the measured infiltration rate to be used in design of the infiltration system. The infiltration rates measured at the site are required to be reduces for design of the infiltration system per County requirements (LADPW, 2021) based on the test procedure, site variability, number of tests, thoroughness of subsurface investigation, long term siltation, plugging and maintenance. The design infiltration rates at the tested locations and depths for both LP-1 and LP-2 are 1.27 and 3.57 inches per hour, respectively. Due to the variable infiltration rates that were measured from the two tests performed at the site, the lower measured rate should be considered for design purposes and additional testing may be warranted to confirm the actual infiltration rate at the location and depth of the planned infiltration device.

In general, a vast majority of geotechnical distress issues are related to improper drainage. Distress in the form of foundation movement could occur. Direct infiltration to the subsurface is not recommended adjacent to curb and gutter, public pavements or within 10 feet away from the design saturation zone as soil saturation could lead to a loss of soil support, settlement or collapse, and internal erosion (piping). The design saturation zone may be assumed as a 1:1 plane projected downward from the top of an infiltration device's discharge zone. Additionally, infiltration water will migrate along pipe backfill (typically sand or gravel bedding) affecting improvements far from the point of infiltration. Proposed direct open bottom infiltration systems, should be located as far away from existing or proposed foundations, rigid improvements and utilities as is practical in order to reduce the geotechnical distress issues related to water. Where sufficient distance from improvements cannot be achieved, additional recommendations may be warranted and can be provided during plan review.

Prior to construction of any infiltration device intended for the site, the plans should be reviewed by the geotechnical consultant to verify that our geotechnical recommendations have been appropriately incorporated into the plans and not

compromised by the addition of an infiltration system to the site. The designer of any infiltration system should contact the geotechnical consultant for geotechnical input during the design process as they feel necessary.

3.8 Temporary Excavations

All temporary excavations, including utility trenches, retaining wall excavations, and foundation excavations should be performed in accordance with project plans, specifications, and all OSHA requirements. Excavations 4 feet or deeper should be laid back or shored in accordance with OSHA requirements before personnel are allowed to enter.

No surcharge loads should be permitted within a horizontal distance equal to the height of cut or 5 feet, whichever is greater from the top of the cut, unless the cut is shored appropriately. Excavations that extend below an imaginary plane inclined at 45 degrees below the edge of any adjacent existing site foundation should be properly shored to maintain support of the adjacent structure.

Temporary excavations should be treated in accordance with the State of California version of OSHA excavation regulations, Construction Safety Orders for Excavation General Requirements, Article 6, Section 1541, effective October 1, 1995. The sides of excavations should be shored or sloped in accordance with OSHA regulations. OSHA allows the sides of unbraced excavations, up to a maximum height of 20 feet, to be cut to a ¾H:1V (horizontal:vertical) slope for Type A soils, 1H:1V for Type B soils, and 1½H:1V for Type C soils.

The site soils include layers that contain granular, unconsolidated soils with little or no cementation and very few fines with varying proportions of gravel and cobbles. These materials are prone to cave in or collapse in unshored excavations. Onsite soils are to be considered Type C soils which are subject to collapse in shallow unbraced excavations (i.e. approximately 3 feet in vertical height).

During construction, the soil conditions should be regularly evaluated to verify that conditions are as anticipated. The contractor shall be responsible for providing the “competent person” required by OSHA standards to evaluate soil conditions. Close coordination between the competent person and the geotechnical engineer should be maintained to facilitate construction while providing safe excavations.

3.9 Trench Backfill

Utility trenches should be backfilled with compacted fill in accordance with Sections 306-1 and 306-6 of the Standard Specifications for Public Works Construction, ("Greenbook"), 2021 Edition. Utility trenches can be backfilled with onsite sandy material free of rubble, debris, organic and oversized material up to (≤) 3-inches in largest dimension. Prior to backfilling trenches, pipes should be bedded in and covered with either:

(1) **Sand:** A uniform, sand material that has a Sand Equivalent (SE) greater-than-or-equal-to (≥) 30, passing the No. 4 U.S. Standard Sieve (or as specified by the pipe manufacturer), water densified in place, or

(2) **CLSM:** Controlled Low Strength Material (CLSM) conforming to Section 201-6 of the *Standard Specifications for Public Works Construction,* ("Greenbook"), 2021 Edition. CLSM should not be jetted.

Pipe bedding should extend at least 4 inches below the pipeline invert and at least 12 inches over the top of the pipeline. Native and clean fill soils can be used as backfill over the pipe bedding zone, and should be placed in thin lifts, moisture conditioned above optimum, and mechanically compacted to at least 90 percent relative compaction, relative to the ASTM D 1557 laboratory maximum density.

3.10 Drainage and Landscaping

Building walls below grade should be waterproofed or at least damp proofed, depending upon the degree of moisture protection desired. Surface drainage should be designed to direct water away from foundations and toward approved drainage devices. Irrigation of landscaping should be controlled to maintain, as much as possible, consistent moisture content sufficient to provide healthy plant growth without overwatering.

3.11 Additional Geotechnical Services

Leighton should review the grading plans, foundation plans, and specifications when they are available to verify that the recommendations presented in this report have been properly interpreted and incorporated.

Geotechnical observation and testing should be provided during the following activities:

- Grading and excavation of the site;
- Subgrade Preparation;
- Compaction of all fill materials;
- Utility trench backfilling and compaction;
- Footing excavation and slab-on-grade preparation;
- Pavement subgrade and base preparation;
- Placement of asphalt concrete and/or concrete; and
- When any unusual conditions are encountered.

4.0 LIMITATIONS

This geotechnical exploration does not address the potential for encountering hazardous soil at this site. In addition, this report was necessarily based in part upon data obtained from a limited number of observances, site visits, soil samples, tests, analyses, histories of occurrences, spaced subsurface explorations and limited information on historical events and observations. Such information is, by necessity, incomplete. Please also refer GBA's *Important Information About Your Geotechnical Report* (included at the rear of the text), presenting additional information and limitations regarding geotechnical engineering studies and reports. The nature of many sites is such that differing soil or geologic conditions can be present within small distances and under varying climatic conditions. Changes in subsurface conditions can and do occur over time. Therefore, the findings, conclusions, and recommendations presented in this report are only valid if Leighton Consulting, Inc. has the opportunity to observe subsurface conditions during grading and construction, to confirm that our data are representative for the site. Leighton Consulting, Inc. should also review the construction plans and project specifications, when available, to comment on the geotechnical aspects.

This report was prepared using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable geotechnical consultants practicing at this time in Los Angeles County. We do not make any warranty, either expressed or implied.

5.0 REFERENCES

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Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, you can benefit from a lowered exposure to problems associated with subsurface conditions at project sites and development of them that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed herein, contact your GBA-member geotechnical engineer. Active engagement in GBA exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Understand the Geotechnical-Engineering Services Provided for this Report

Geotechnical-engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical-engineering services is typically a geotechnical-engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical-engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

Geotechnical-Engineering Services are Performed for Specific Purposes, Persons, and Projects, and At Specific Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

Likewise, geotechnical-engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical-engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If you are the least bit uncertain* about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. Do not rely on an executive summary. Do not read selective elements only. *Read and refer to the report in full.*

You Need to Inform Your Geotechnical Engineer About Change

Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys. Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept*

responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

Most of the "Findings" Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site's subsurface using various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

This Report's Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals' misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals' plans and specifications; and
- be available whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note conspicuously that you've included the material for information purposes only.* To avoid misunderstanding, you may also want to note that "informational purposes" means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a "phase-one" or "phase-two" environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures.* If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer's services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, ***proper implementation of the geotechnical engineer's recommendations will not of itself be sufficient to prevent moisture infiltration. Confront the risk of moisture infiltration*** by including building-envelope or mold specialists on the design team. ***Geotechnical engineers are not building-envelope or mold specialists.***

GEOPROFESSIONAL BUSINESS ASSOCIATION

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e-mail: info@geoprofessional.org www.geoprofessional.org

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Project: 13384.001	Eng/Geol: CCK/JMP
Scale:1 " = 2,000 '	Date: January 2022

Base Map: ESRI ArcGIS Online 2022
Thematic Information: Leighton
Author: Leighton Geomatics (btran)

SITE LOCATION MAP

Proposed Industrial Building
14005 Live Oak Avenue
Irwindale, California

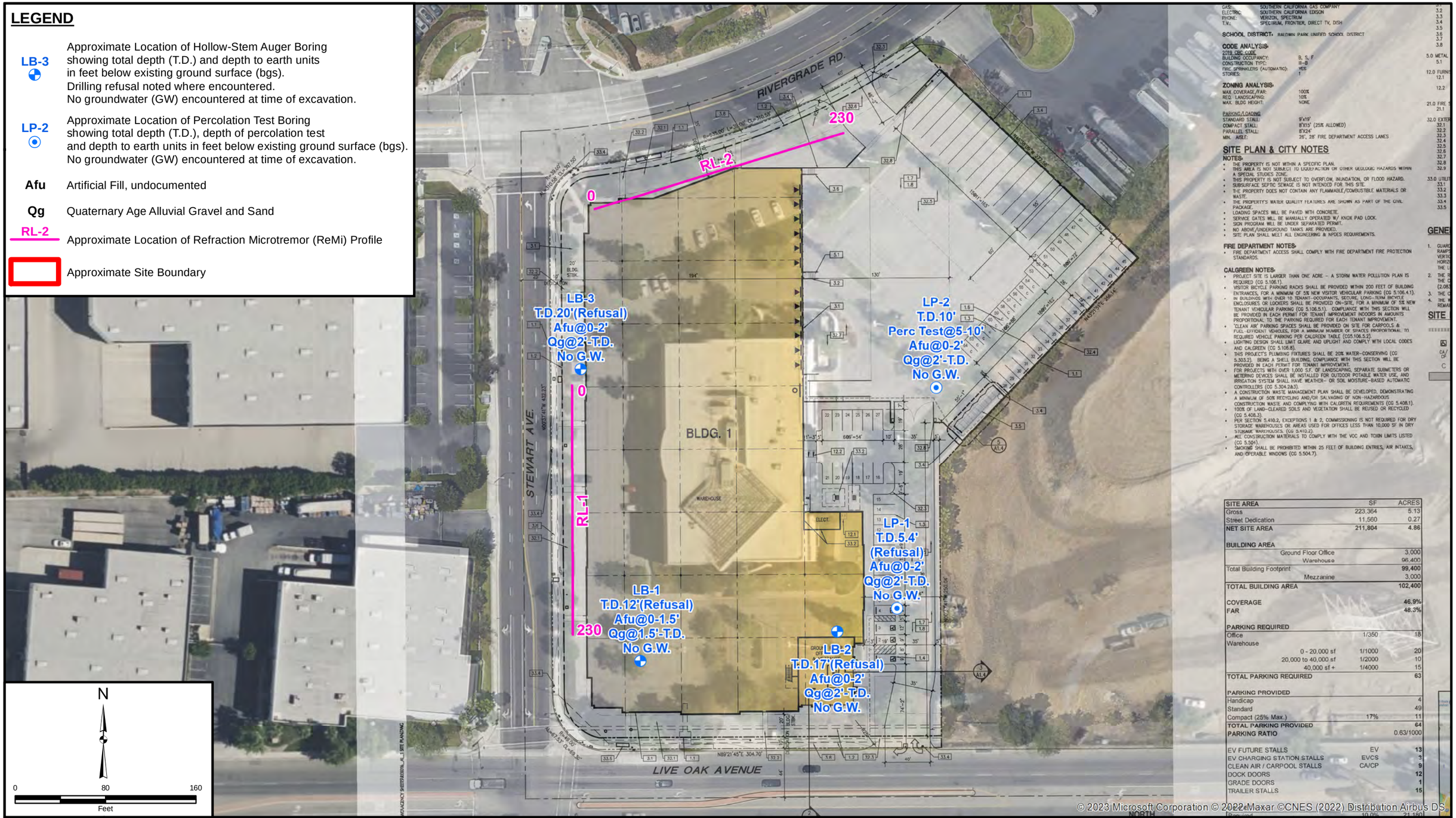
FIGURE 1

Leighton

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LEGEND

LB-3	Approximate Location of Hollow-Stem Auger Boring showing total depth (T.D.) and depth to earth units in feet below existing ground surface (bgs). Drilling refusal noted where encountered. No groundwater (GW) encountered at time of excavation.
LP-2	Approximate Location of Percolation Test Boring showing total depth (T.D.), depth of percolation test and depth to earth units in feet below existing ground surface (bgs). No groundwater (GW) encountered at time of excavation.
Afu	Artificial Fill, undocumented
Qg	Quaternary Age Alluvial Gravel and Sand
RL-2	Approximate Location of Refraction Microtremor (ReMi) Profile
	Approximate Site Boundary



SITE AREA	SF	ACRES
Gross	223,364	5.13
Street Dedication	11,560	0.27
NET SITE AREA	211,804	4.86
BUILDING AREA		
Ground Floor Office		3,000
Warehouse		96,400
Total Building Footprint		99,400
Mezzanine		3,000
TOTAL BUILDING AREA		102,400
COVERAGE		46.9%
FAR		48.3%
PARKING REQUIRED		
Office	1/350	18
Warehouse		
0 - 20,000 sf	1/1000	20
20,000 to 40,000 sf	1/2000	10
40,000 sf +	1/4000	15
TOTAL PARKING REQUIRED		63
PARKING PROVIDED		
Handicap		4
Standard		49
Compact (25% Max.)	17%	11
TOTAL PARKING PROVIDED		64
PARKING RATIO		0.63/1000
EV FUTURE STALLS	EV	13
EV CHARGING STATION STALLS	EVCS	3
CLEAN AIR / CARPOOL STALLS	CA/CP	9
DOCK DOORS		12
GRADE DOORS		1
TRAILER STALLS		15

Project: 13384.001	Eng/Geol: CCK/JMP
Scale: 1 " = 80 '	Date: March 2023

Base Map: Site Plan, Project Tabulations
Sheet A1.1, Dated: 12/22/2022 by GAA Architects

Author: Leighton Geomatics (btran)

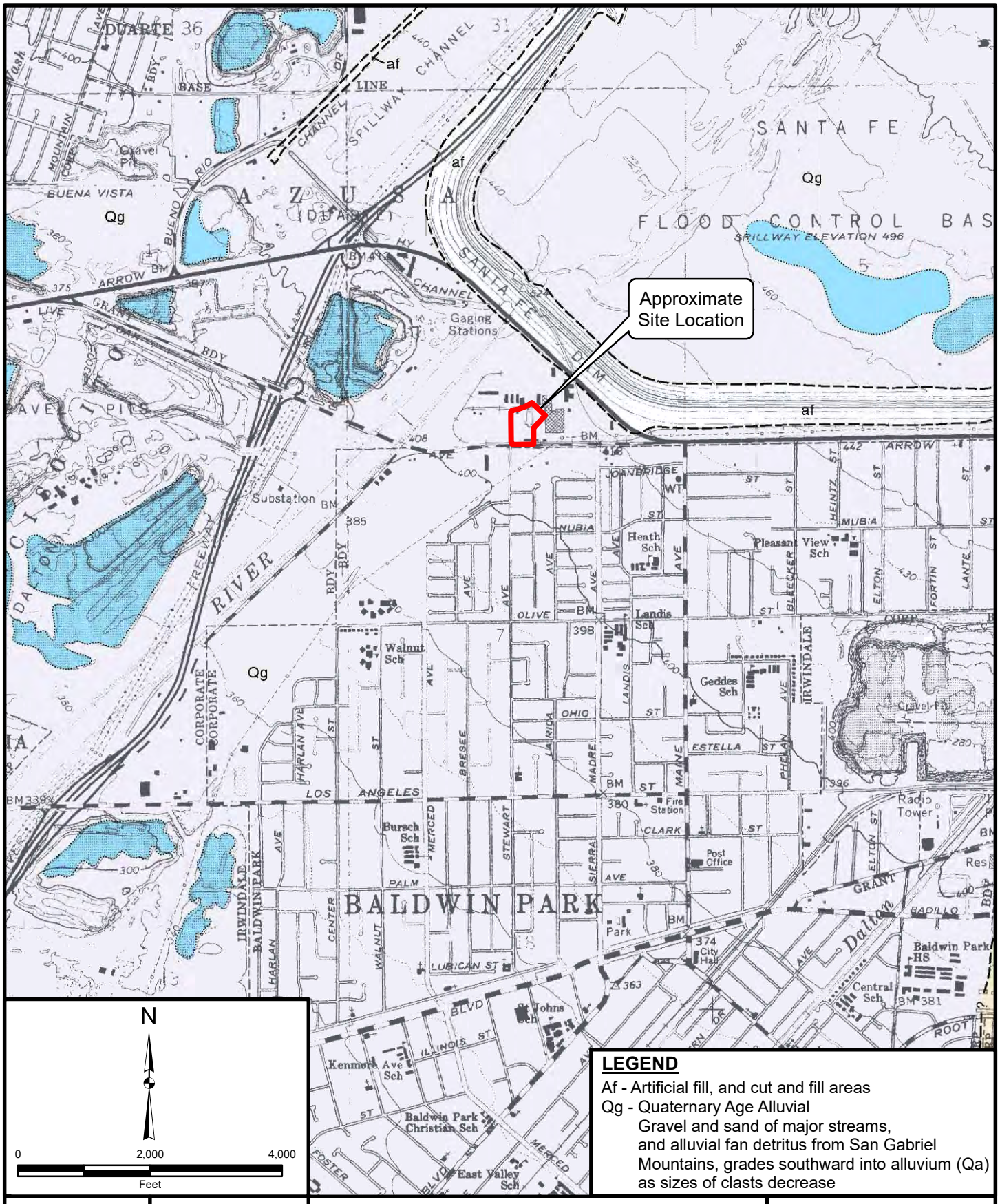
EXPLORATION LOCATION MAP

Proposed Industrial Building
14005 Live Oak Avenue
Irwindale, California

FIGURE 2

Leighton

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LEGEND

Af - Artificial fill, and cut and fill areas

Qg - Quaternary Age Alluvial
Gravel and sand of major streams, and alluvial fan detritus from San Gabriel Mountains, grades southward into alluvium (Qa) as sizes of clasts decrease

Project: 13384.001	Eng/Geol: CCK/JMP
Scale:1 " = 2,000 '	Date: February 2022

Base Map: Geologic Map of the El Monte & Baldwin Park Quadrangles by Thomas W. Dibblee, JR., 1999

Author: Leighton Geomatics (btran)

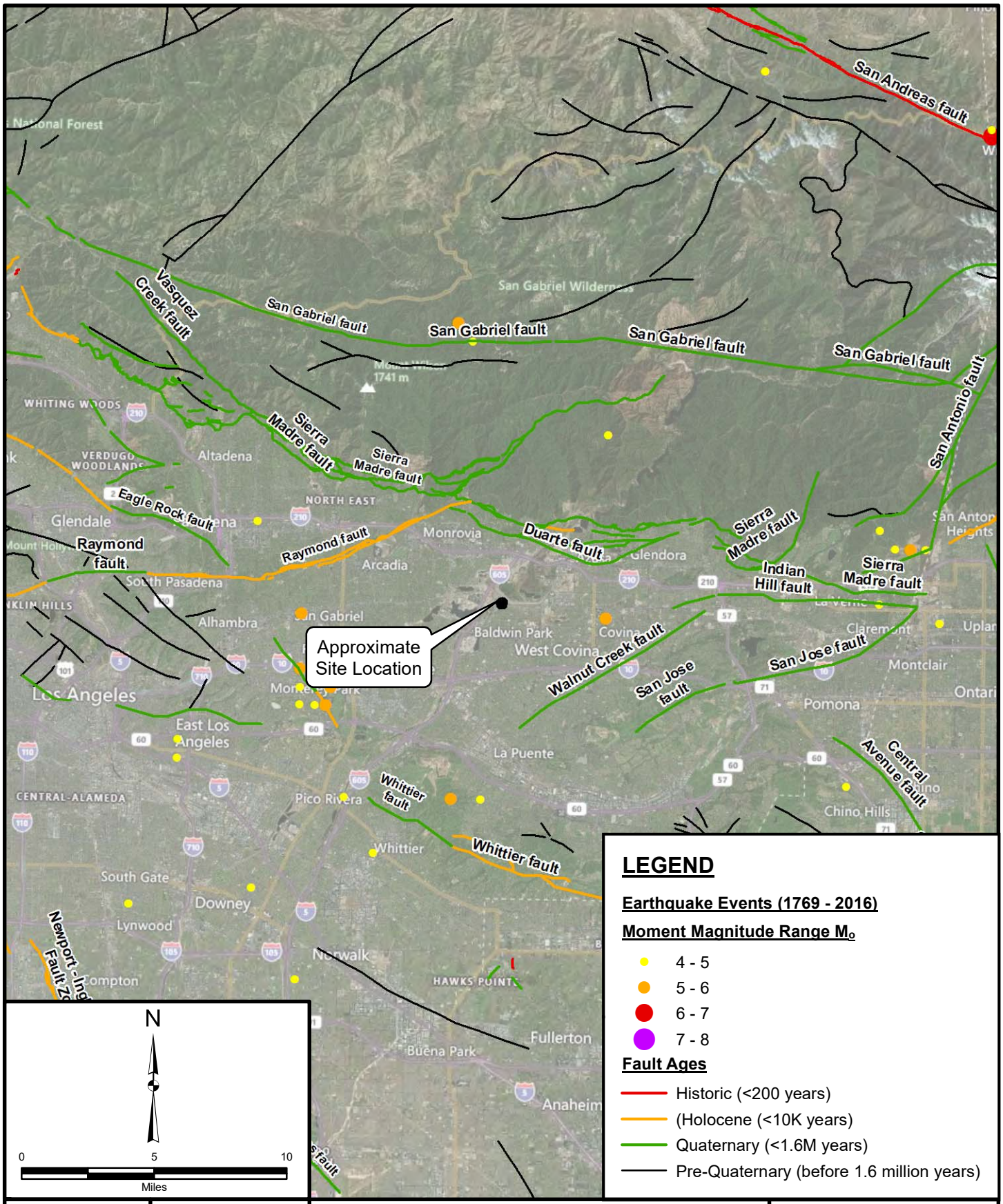
REGIONAL GEOLOGY MAP

Proposed Industrial Building
14005 Live Oak Avenue
Irwindale, California

FIGURE 3

Leighton

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LEGEND

Earthquake Events (1769 - 2016)

Moment Magnitude Range M_o

- 4 - 5
- 5 - 6
- 6 - 7
- 7 - 8

Fault Ages

- Historic (<200 years)
- (Holocene (<10K years)
- Quaternary (<1.6M years)
- Pre-Quaternary (before 1.6 million years)

Project: 13384.001	Eng/Geol: CCK/JMP
Scale: 1 " = 5 miles	Date: January 2022

Reference: ESRI ArcGIS Online 2022
Bryant, W. A. (compiler), 2005, Digital Database of Quaternary and Younger Faults from the Fault Activity Map of California, version 2.0: CGS, USGS, SCEC.
Author: Leighton Geomatics (btran)

REGIONAL FAULT AND HISTORICAL SEISMICITY MAP

Proposed Industrial Building
14005 Live Oak Avenue
Irwindale, California

FIGURE 4

Leighton

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Project: 13384.001	Eng/Geol: CCK/JMP
Scale:1 " = 2,000 '	Date: January 2022
Base Map: ESRI ArcGIS Online 2022 Author: Leighton Geomatics (btran)	

SEISMIC HAZARD MAP

Proposed Industrial Building
14005 Live Oak Avenue
Irwindale, California

FIGURE 5

Leighton

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Project: 13384.001	Eng/Geol: CCK/JMP
Scale: 1 " = 4,000 '	Date: January 2022

Base Map: ESRI ArcGIS Online 2022
Reference: CA DWR, FEMA
Author: Leighton Geomatics (btran)

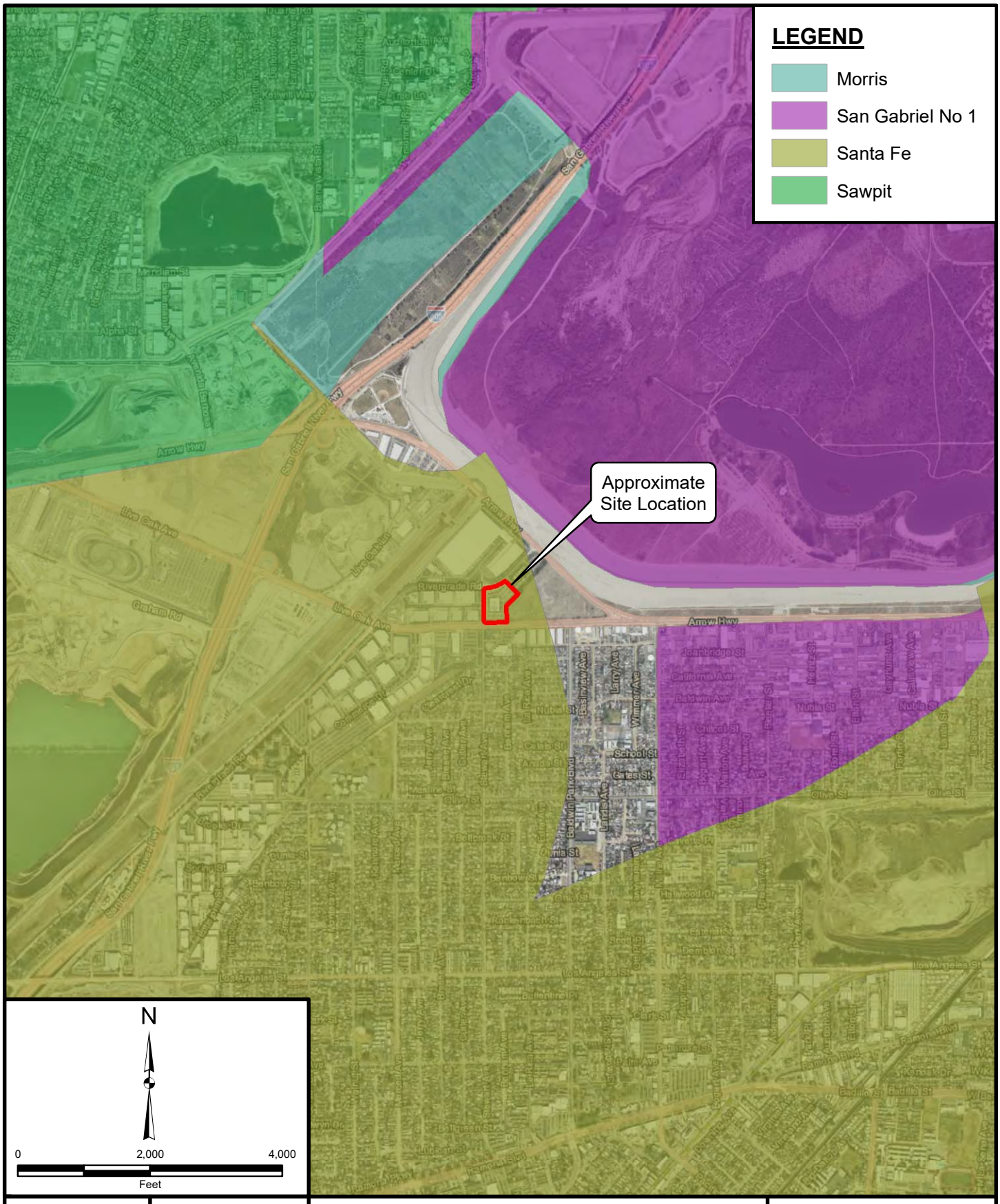
FLOOD HAZARD ZONE MAP

Proposed Industrial Building
14005 Live Oak Avenue
Irwindale, California

FIGURE 6

Leighton

Map Saved as V:\Drafting\13384\001\Maps\13384-001_F06_FHM_2022-01-14.mxd on 1/13/2022 11:10:58 AM



Project: 13384.001	Eng/Geol: CCK/JMP
Scale:1 " = 2,000 '	Date: January 2022
Base Map: ESRI ArcGIS Online 2022 Author: Leighton Geomatics (btran)	

DAM INUNDATION MAP

Proposed Industrial Building
14005 Live Oak Avenue
Irwindale, California

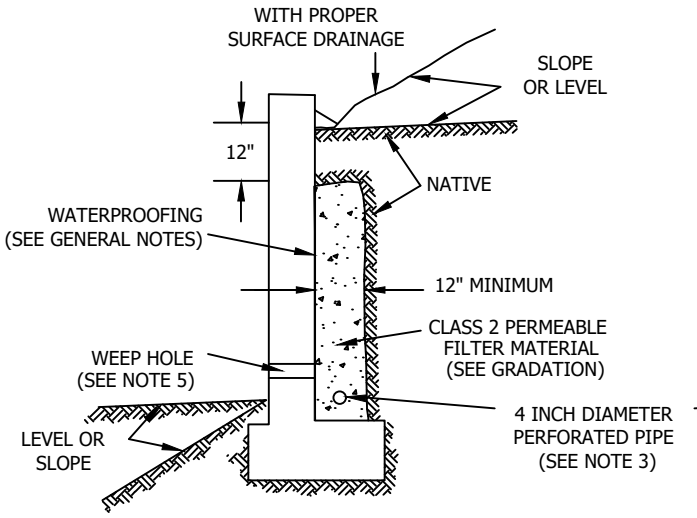
FIGURE 7

Leighton

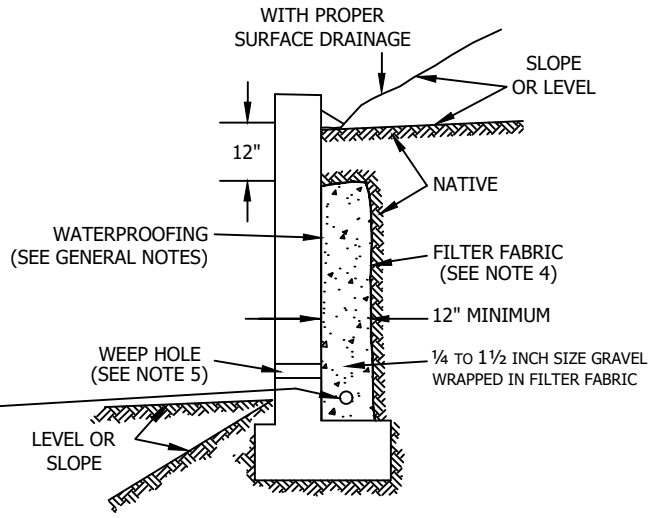
Map Saved as V:\Drafting\13384\001\Maps\13384-001_F07_DIM_2022-01-14.mxd on 1/13/2022 10:11:06 AM

SUBDRAIN OPTIONS AND BACKFILL WHEN NATIVE MATERIAL HAS EXPANSION INDEX OF ≤50

OPTION 1: PIPE SURROUNDED WITH CLASS 2 PERMEABLE MATERIAL



OPTION 2: GRAVEL WRAPPED IN FILTER FABRIC



Class 2 Filter Permeable Material Gradation
Per Caltrans Specifications

Sieve Size	Percent Passing
1"	100
3/4"	90-100
3/8"	40-100
No. 4	25-40
No. 8	18-33
No. 30	5-15
No. 50	0-7
No. 200	0-3

GENERAL NOTES:

* Waterproofing should be provided where moisture nuisance problem through the wall is undesirable.
* Water proofing of the walls is not under purview of the geotechnical engineer
* All drains should have a gradient of 1 percent minimum
*Outlet portion of the subdrain should have a 4-inch diameter solid pipe discharged into a suitable disposal area designed by the project engineer. The subdrain pipe should be accessible for maintenance (rodding)
*Other subdrain backfill options are subject to the review by the geotechnical engineer and modification of design parameters.

Notes:
1) Sand should have a sand equivalent of 30 or greater and may be densified by water jetting.
2) 1 Cu. ft. per ft. of 1/4- to 1 1/2-inch size gravel wrapped in filter fabric
3) Pipe type should be ASTM D1527 Acrylonitrile Butadiene Styrene (ABS) SDR35 or ASTM D1785 Polyvinyl Chloride plastic (PVC), Schedule 40, Armco A2000 PVC, or approved equivalent. Pipe should be installed with perforations down. Perforations should be 3/8 inch in diameter placed at the ends of a 120-degree arc in two rows at 3-inch on center (staggered)
4) Filter fabric should be Mirafi 140NC or approved equivalent.
5) Weephole should be 3-inch minimum diameter and provided at 10-foot maximum intervals. If exposure is permitted, weepholes should be located 12 inches above finished grade. If exposure is not permitted such as for a wall adjacent to a sidewalk/curb, a pipe under the sidewalk to be discharged through the curb face or equivalent should be provided. For a basement-type wall, a proper subdrain outlet system should be provided.
6) Retaining wall plans should be reviewed and approved by the geotechnical engineer.
7) Walls over six feet in height are subject to a special review by the geotechnical engineer and modifications to the above requirements.

RETAINING WALL BACKFILL AND SUBDRAIN DETAIL FOR WALLS 6 FEET OR LESS IN HEIGHT

WHEN NATIVE MATERIAL HAS EXPANSION INDEX OF ≤50

Leighton

FIGURE 8

V:\DRAFTING\TEMPLATES\STANDARD-FIGURES\WALL-STANDARD-FIGURES.DWG (09-02-21 9:07:35AM) Plotted by brian

APPENDIX A

EXPLORATION LOGS

GEOTECHNICAL BORING LOG LB-1

Project No.	13384.001	**Date Drilled**	1-4-22
Project	Rexford - 14005 Live Oak, Irwindale	**Logged By**	MM
Drilling Co.	Martini Drilling Corp.	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	410'
Location		**Sampled By**	MM

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
410	0			B-1				SM	@Surface: 2.5 inches of asphalt concrete **Artificial fill, undocumented (Afu)** @0.2': Silty SAND with gravel, brown, moist, fine sand and gravel **Quaternary Age Alluvial Gravel and Sand (Qg)** @1.5': Gravelly Silty SAND, light brown, moist, fine sand, fine to course gravel	CN, CR, DS, EI MD, RV
405	5			R-1	16 48 50/4"	131	1	SP	@5': Sandy GRAVEL, very dense, light brown, moist, fine sand, fine to course gravel, fine cobble	SA
				S-2	29 50/4"		1	GP	@7.5': Poorly graded GRAVEL, very dense, angular from mechanical fracturing, low recovery	
400	10			R-3	50/3"	118	1		@10': Poorly graded GRAVEL, very dense, light brown, moist, fine sand, fine to course gravel, fine to course cobble, subangular	
									@12': REFUSAL: Augers moving sideways Attempted to redrill and hit refusal at 6'	
395	15								**Total Depth: 12 feet due to refusal** **No groundwater encountered during drilling.** **Backfilled with soil cuttings and patched with cold-mix asphalt.**	
390	20									
385	25									
380	30									

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH



*** This log is a part of a report by Leighton and should not be used as a stand-alone document. ***

GEOTECHNICAL BORING LOG LB-2

Project No.	13384.001	**Date Drilled**	1-4-22
Project	Rexford - 14005 Live Oak, Irwindale	**Logged By**	MM
Drilling Co.	Martini Drilling Corp.	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	411'
Location		**Sampled By**	MM

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
410	0			B-1				SM	@Surface: 3 inches of asphalt concrete over 6 inches of base **Artificial fill, undocumented (Afu)** @0.75': Silty SAND with gravel, brown, moist, fine sand, fine gravel	
								SP	**Quaternary Age Alluvial Gravel and Sand (Qg)** @2': Gravelly SAND, brown, moist, fine sand, fine subangular gravel	
405	5			S-1	13 50/3"		4	GP	@5': Sandy GRAVEL, very dense, brown, moist, fine sand, fine to course gravel and cobble, subangular and mechanically fractured gravel	
				R-2	49 50/5"	150	1		@7.5': Poorly graded GRAVEL, very dense, light brown, slightly moist, fine sand, fine to course gravel and cobble, subangular and angular from mechanical fracturing	
400	10			S-3	15 20 18		1		@10': Sandy GRAVEL, very dense, light brown, slightly moist, fine sand,fine to course gravel and cobble, subangular	SA
395	15			R-4	50/5"	114	1		@15': Poorly graded GRAVEL, very dense, light brown, slightly moist, fine sand matrix, fine to course gravel and cobble, subangular, possible boulders	
									@17': REFUSAL: Augers moving sideways	
390	20								**Total Depth: 17 feet due to refusal** **No groundwater encountered during drilling.** **Backfilled with soil cuttings and patched with cold-mix asphalt.**	
385	25									
	30									

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH



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GEOTECHNICAL BORING LOG LB-3

Project No.	13384.001	**Date Drilled**	1-4-22
Project	Rexford - 14005 Live Oak, Irwindale	**Logged By**	MM
Drilling Co.	Martini Drilling Corp.	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	413'
Location		**Sampled By**	MM

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
	0			B-1				SM	@Surface: 2.5 inches of asphalt concrete **Artificial fill, undocumented (Afu)** @0.2': Silty SAND with gravel, brown, moist, fine sand, fine gravel	
410								SP	**Quaternary Age Alluvial Gravel and Sand (Qg)** @2': Gravelly Silty SAND, light brown, slightly moist, fine to course gravel, subround	
	5			S-1	7 43 47		1	GP	@5': Poorly graded GRAVEL with sand, very dense, light gray brown, slightly moist, fine sand, fine to course gravel, fine cobble	
405				R-2	50/5"	114	1		@7.5': Poorly graded GRAVEL with sand, very dense, light gray brown, slightly moist, fine sand, fine to course gravel, mostly course gravel, few cobble, top of sample is slough	
	10			S-3	50/5"		0		@10': Very dense, possible boulders, low recovery	
400										
	15			R-4	50/5"	132	1		@15': Sandy GRAVEL, very dense, light gray brown, slightly moist to moist, fine sand, fine to course gravel, little fine cobble	
395										
	20								@20': REFUSAL: Encountered cobble or boulder	
390									**Total Depth: 20 feet due to refusal** **No groundwater encountered during drilling.** **Backfilled with soil cuttings and patched with cold-mix asphalt.**	
	25									
385										
	30									

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH



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GEOTECHNICAL BORING LOG LP-1

Project No.	13384.001	**Date Drilled**	1-4-22
Project	Rexford - 14005 Live Oak, Irwindale	**Logged By**	MM
Drilling Co.	Martini Drilling Corp.	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	413'
Location		**Sampled By**	MM

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
413	0								@Surface: 3.5 inches of asphalt concrete	
									Artificial fill, undocumented (Afu)	
									@0.3': Silty SAND with gravel, moist, brown, fine sand and gravel	
410									**Quaternary Age Alluvial Gravel and Sand (Qg)**	
									@2': Gravelly SAND, brown, moist, fine sand, fine gravel, subangular	
	5			S-1	50/5"		1	GP	@5': Poorly graded GRAVEL, very dense, light brown sand matrix, fine sand, fine to course gravel and cobble, possible boulder, low recovery	
405									**Total Depth: 5.4 feet due to refusal**	
									No groundwater encountered during drilling.	
									Installed 2-inch diameter, 0.02-inch slotted PVC pipe from 0-5 feet.	
	10								**#3 Monterey SAND installed in annulus from 2-5 feet.**	
400										
	15									
395										
	20									
390										
	25									
385										
	30									

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH



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GEOTECHNICAL BORING LOG LP-2

Project No.	13384.001	**Date Drilled**	1-4-22
Project	Rexford - 14005 Live Oak, Irwindale	**Logged By**	MM
Drilling Co.	Martini Drilling Corp.	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	414'
Location		**Sampled By**	MM

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
	0							SM	@Surface: 2.5 inches of asphalt concrte over 5 inches of base **Artificial fill, undocumented (Afu)** @0.6': Silty SAND with gravel, brown, moist, fine sand and gravel	
								SP	**Quaternary Age Alluvial Gravel and Sand (Qg)** @2': Gravelly SAND, brown, moist, fine sand, fine gravel, subangular gravel	
410	5			S-1	15 28 35		1	GP	@5': Poorly graded GRAVEL, very dense, slightly moist, fine to course gravel and cobble, subangular, fine sand matrix, possible boulder @7': Stepped over and redrilled due to refusal at 5'.	
405	10			S-2 G-3	4 10 14		1	SP	@8.5': Gravelly SAND, dense, light brown, slightly moist, fine sand, fine to course gravel, mechanically fractured gravel, no recovery @9': Gravelly SAND, light brown, slightly moist, fine sand, fine to course gravel and cobbles, mechanically fractured rock	
400	15								**Total Depth: 10 feet** **No groundwater encountered during drilling** **Installed 2-inch diameter, solid PVC pipe from 0-5 feet.** **Installed 2-inch diameter, 0.02-inch slotted PVC pipe from 5-10 feet.** **#3 Monterey SAND installed in annulus from 4-10 feet.**	
395	20									
390	25									
385	30									

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
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- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH



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APPENDIX B

PERCOLATION TEST DATA

Boring Percolation Test Data Sheet

Project Number:	13384.001	**Test Hole Number:**	LP-1	
Project Name:	Rexford Irwindale	**Date Excavated:**	1/4/2022	
Earth Description:	Alluvium	**Date Tested:**	1/5/2022	
Liquid Description:	Tap water	**Depth of boring (ft):**	5	
Tested By:	MM	**Radius of boring (in):**	4	
Time Interval Standard		**Radius of casing (in):**	1	
Start Time for Pre-Soak:		**Length of slotted of casing (ft):**		5
Start Time for Standard:		**Depth to Initial Water Depth (ft):**		2
Standard Time Interval		**Porosity of Annulus Material, *n* :**		0.35
Between Readings, mins:		**Bentonite Plug at Bottom:**		No

Field Percolation Data - Falling Head Test

Reading	Time	Time Interval, Δt (min.)	Initial/Final Depth to Water (ft.)	Initial/Final Water Height, H_0/H_f (in.)	Total Water Drop, Δd (in.)	Infiltration Rate (in./hr.)
P1	11:12	15	2.78	26.6	24.8	4.79
	11:27		4.85	1.8		
P2	11:33	15	2.75	27.0	23.5	4.26
	11:48		4.71	3.5		
1	12:16	10	2.00	36.0	25.8	4.82
	12:26		4.15	10.2		
2	12:26	10	2.00	36.0	25.6	4.75
	12:36		4.13	10.4		
3	12:37	10	2.00	36.0	25.2	4.65
	12:47		4.10	10.8		
4	12:48	10	2.00	36.0	25.0	4.58
	12:58		4.08	11.0		
5	12:59	10	2.00	36.0	24.4	4.42
	13:09		4.03	11.6		
6	13:10	10	2.00	36.0	24.0	4.33
	13:20		4.00	12.0		
7	13:21	10	2.00	36.0	24.0	4.33
	13:31		4.00	12.0		
8	13:32	10	2.00	36.0	23.9	4.30
	13:42		3.99	12.1		
9	13:43	10	2.00	36.0	23.4	4.17
	13:53		3.95	12.6		
10	13:54	10	2.00	36.0	22.7	3.99
	14:04		3.89	13.3		
11	14:05	10	2.00	36.0	22.3	3.90
	14:15		3.86	13.7		
12	14:15	10	2.00	36.0	22.3	3.90
	14:25		3.86	13.7		
13	14:27	10	2.00	36.0	22.1	3.84
	14:37		3.84	13.9		
14	14:38	10	2.00	36.0	22.2	3.87
	14:48		3.85	13.8		
15	14:49	10	2.00	36.0	21.8	3.78
	14:59		3.82	14.2		

Infiltration Rate (I) = Discharge Volume/Surface Area of Test Section/Time Interval

Measured Infiltration Rate, I (Average of Last 3 Readings) = **3.82** **in./hr.**

Design Infiltration Rate

Reduction Factor from Test Procedure, RF_t = 1

Reduction Factor for Site Variability, # of Tests and Investigation, RF_v = 1

Reduction Factor for Long Term Siltation, Plugging and Maintenance, RF_t = 1

Reduction Factor, $RF = RF_t + RF_v + RF_s$ = 3

Design Infiltration Rate = Measured Infiltration Rate / Reduction Factor (RF) = **1.27** **in./hr.**

Boring Percolation Test Data Sheet

Project Number:	13384.001	**Test Hole Number:**	LP-2
Project Name:	Rexford Irwindale	**Date Excavated:**	1/4/2022
Earth Description:	Alluvium	**Date Tested:**	1/5/2022
Liquid Description:	Tap water	**Depth of boring (ft):**	10
Tested By:	MM	**Radius of boring, r (in):**	4
		Diameter of casing (in):	2
		Length of slotted of casing (ft):	5
		Depth to Initial Water Depth (ft):	6
		Porosity of Annulus Material, *n* :	0.35
		Bentonite Plug at Bottom:	No

Field Percolation Data - High Flow-Rate Constand Head Test

Reading	Time	Time Interval, Δt (minutes)	Depth to Water (feet bgs)	Water Height, H (inches)	Cumulative Water Volume Delivered (gallons)
1	7:50	-	-	-	0.0
2	8:00	10	6.54	41.5	13.2
3	8:10	10	6.62	40.6	26.5
4	8:20	10	6.67	40.0	39.7
5	8:30	10	6.49	42.1	53.0
6	8:40	10	6.49	42.1	66.2
7	8:50	10	6.66	40.1	79.5
8	9:00	10	6.76	38.9	92.7
9	9:10	10	6.66	40.1	106.0
10	9:20	10	6.70	39.6	119.2
11	9:30	10	6.76	38.9	132.5
12	9:40	10	6.84	37.9	145.7
13	9:50	10	6.86	37.7	158.9
14	10:00	10	6.87	37.6	172.2
15	10:10	10	6.90	37.2	185.4
16	10:20	10	6.89	37.3	198.7
17	10:30	10	6.90	37.2	211.9
18	10:40	10	6.92	37.0	225.2
19	10:50	10	6.90	37.2	238.4
20	11:00	10	6.89	37.3	251.7

Total Volume of Water Delivered (gallons)	251.7
Total Volume of Water Delivered (cubic inches)	58132.45033
Average Water Height (inches)	39.0
Average Percolation Surface Area (cubic Inches)	1029.3
Duration of Test (minutes)	190
Duration of Test (hours)	3.17

$$\text{Measured Infiltration Rate} = (\text{Total Volume})/(\text{Test Duration})/(\text{Surface Area})$$

Measured Infiltration Rate (inches per hour) = **17.8**

Design Infiltration Rate

Reduction Factor from Test Procedure, RF_t =	3
Reduction Factor for Site Variability, # of Tests and Investigation, RF_v =	1
Reduction Factor for Long Term Siltation, Plugging and Maintenance, RF_t =	1
Reduction Factor, $RF = RF_t + RF_v + RF_s$ =	5

Design Infiltration Rate = Measured Infiltration Rate / Reduction Factor (RF) = **3.57** **in./hr.**

APPENDIX C

LABORATORY TEST RESULTS

MODIFIED PROCTOR COMPACTION TEST

ASTM D 1557

Project Name:	Rexford Live Oak Irwindale	Tested By:	L. Monka	Date:	01/10/22
Project No.:	13384.001	Checked By:	A. Santos	Date:	01/12/22
Boring No.:	LB-1	Depth (ft.):	0-5		
Sample No.:	B-1				
Soil Identification:	Olive brown silty sand with gravel (SM)g				

Note: Corrected dry density calculation assumes specific gravity of 2.70 and moisture content of 1.0% for oversize particles

Preparation Method:	X	Moist	
		Dry	
Compaction Method	X	Mechanical Ram	
		Manual Ram	

Scalp Fraction (%)	
#3/4	
#3/8	
#4	25.4

Rammer Weight (lb.) = 10.0

Height of Drop (in.) = 18.0

Mold Volume (ft³) 0.03330

TEST NO.	1	2	3	4	5	6
Wt. Compacted Soil + Mold (g)	3858	3941	3914			
Weight of Mold (g)	1850	1850	1850			
Net Weight of Soil (g)	2008	2091	2064			
Wet Weight of Soil + Cont. (g)	737.2	781.3	787.8			
Dry Weight of Soil + Cont. (g)	695.1	722.0	716.4			
Weight of Container (g)	88.6	88.5	87.8			
Moisture Content (%)	6.94	9.36	11.36			
Wet Density (pcf)	132.9	138.4	136.6			
Dry Density (pcf)	124.3	126.6	122.7			

Maximum Dry Density (pcf) 126.8

Corrected Dry Density (pcf) 135.3

Optimum Moisture Content (%) 9.0

Corrected Moisture Content (%) 7.0

[X] **Procedure A**
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
May be used if +#4 is 20% or less

[ ] **Procedure B**
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
Use if +#4 is >20% and +3/8 in. is 20% or less

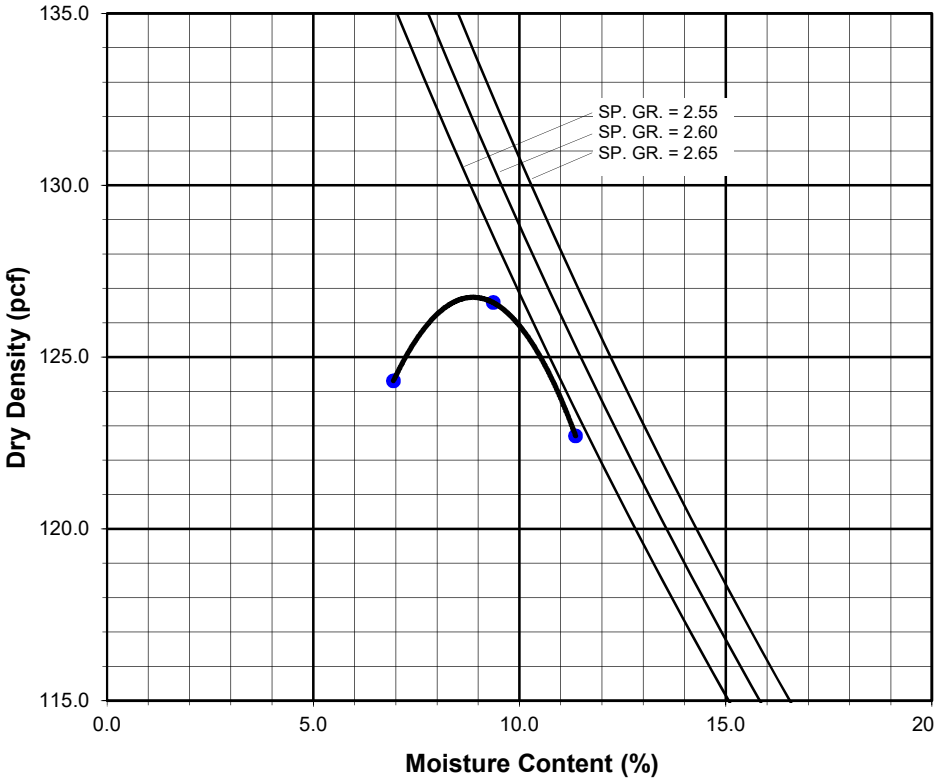
[ ] **Procedure C**
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)
Use if +3/8 in. is >20% and +¾ in. is <30%

Particle-Size Distribution:

GR:SA:FI

Atterberg Limits:

LL,PL,PI



EXPANSION INDEX of SOILS
ASTM D 4829

Project Name:	Rexford Live Oak Irwindale	Tested By:	G. Berdy	Date:	01/13/22
Project No.:	13384.001	Checked By:	A. Santos	Date:	01/24/22
Boring No.:	LB-1	Depth (ft.):	0-5		
Sample No.:	B-1				
Soil Identification:	Olive brown silty sand with gravel (SM)g				

Dry Wt. of Soil + Cont.	(g)	1000.00
Wt. of Container No.	(g)	0.00
Dry Wt. of Soil	(g)	1000.00
Weight Soil Retained on #4 Sieve		0.00
Percent Passing # 4		100.00

MOLDED SPECIMEN		Before Test	After Test
Specimen Diameter	(in.)	4.01	4.01
Specimen Height	(in.)	1.0000	1.0000
Wt. Comp. Soil + Mold	(g)	607.50	440.10
Wt. of Mold	(g)	191.40	0.00
Specific Gravity (Assumed)		2.70	2.70
Container No.		O	O
Wet Wt. of Soil + Cont.	(g)	837.90	631.50
Dry Wt. of Soil + Cont.	(g)	774.40	575.97
Wt. of Container	(g)	0.00	191.40
Moisture Content	(%)	8.20	14.44
Wet Density	(pcf)	125.5	132.8
Dry Density	(pcf)	116.0	116.0
Void Ratio		0.453	0.453
Total Porosity		0.312	0.312
Pore Volume	(cc)	64.6	64.6
Degree of Saturation (%) [S_{meas}]		**48.8**	86.0

SPECIMEN INUNDATION in distilled water for the period of 24 h or expansion rate < 0.0002 in./h

Date	Time	Pressure (psi)	Elapsed Time (min.)	Dial Readings (in.)
01/13/22	10:50	1.0	0	0.5100
01/13/22	11:00	1.0	10	0.5100
Add Distilled Water to the Specimen				
01/13/22	11:30	1.0	30	0.5100
01/14/22	7:00	1.0	1200	0.5100
01/14/22	9:10	1.0	1330	0.5100

Expansion Index (EI_{meas}) = ((Final Rdg - Initial Rdg) / Initial Thick.) x 1000	**0**

PARTICLE-SIZE DISTRIBUTION (GRADATION) of SOILS USING SIEVE ANALYSIS

ASTM D6913

Project Name: Rexford Live Oak Irwindale
Project No.: 13384.001
Boring No.: LB-1
Sample No.: R-1
Soil Identification: Light brownish gray poorly-graded gravel with sand (GP)s

Tested By: J. Domingo Date: 01/20/22
Checked By: A. Santos Date: 01/21/22
Depth (feet): 5.0

Calculation of Dry Weights	Whole Sample	Sample Passing #4	Moisture Contents	Whole Sample	Sample passing #4
Container No.:	884	1532	Wt. of Air-Dry Soil + Cont.(g)	0.0	0.0
Wt. Air-Dried Soil + Cont.(g)	987.5	399.8	Wt. of Dry Soil + Cont. (g)	0.0	0.0
Wt. of Container (g)	74.9	77.4	Wt. of Container No._____(g)	1.0	1.0
Dry Wt. of Soil (g)	912.6	322.4	Moisture Content (%)	0.0	0.0

Passing #4 Material After Wet Sieve		
	Container No.	1532
	Wt. of Dry Soil + Container (g)	275.9
	Wt. of Container (g)	77.4
	Dry Wt. of Soil Retained on # 200 Sieve (g)	198.5

U. S. Sieve Size		Cumulative Weight of Dry Soil Retained (g)		Percent Passing (%)
	(mm.)	Whole Sample	Sample Passing #4	
3"	75.0	0.0		100.0
1 1/2"	37.5	212.5		76.7
1"	25.0	366.6		59.8
3/4"	19.0	396.6		56.5
1/2"	12.5	483.4		47.0
3/8"	9.5	517.1		43.3
#4	4.75	590.2		35.3
#8	2.36		37.1	31.2
#16	1.18		79.3	26.6
#30	0.600		139.8	20.0
#50	0.300		219.5	11.3
#100	0.150		274.2	5.3
#200	0.075		296.9	2.8
PAN				

GRAVEL: **65 %**
SAND: **32 %**
FINES: **3 %**
GROUP SYMBOL: **(GP)s**

Cu = D60/D10 = 92.59
Cc = $(D30)^2/(D60*D10)$ = 0.59

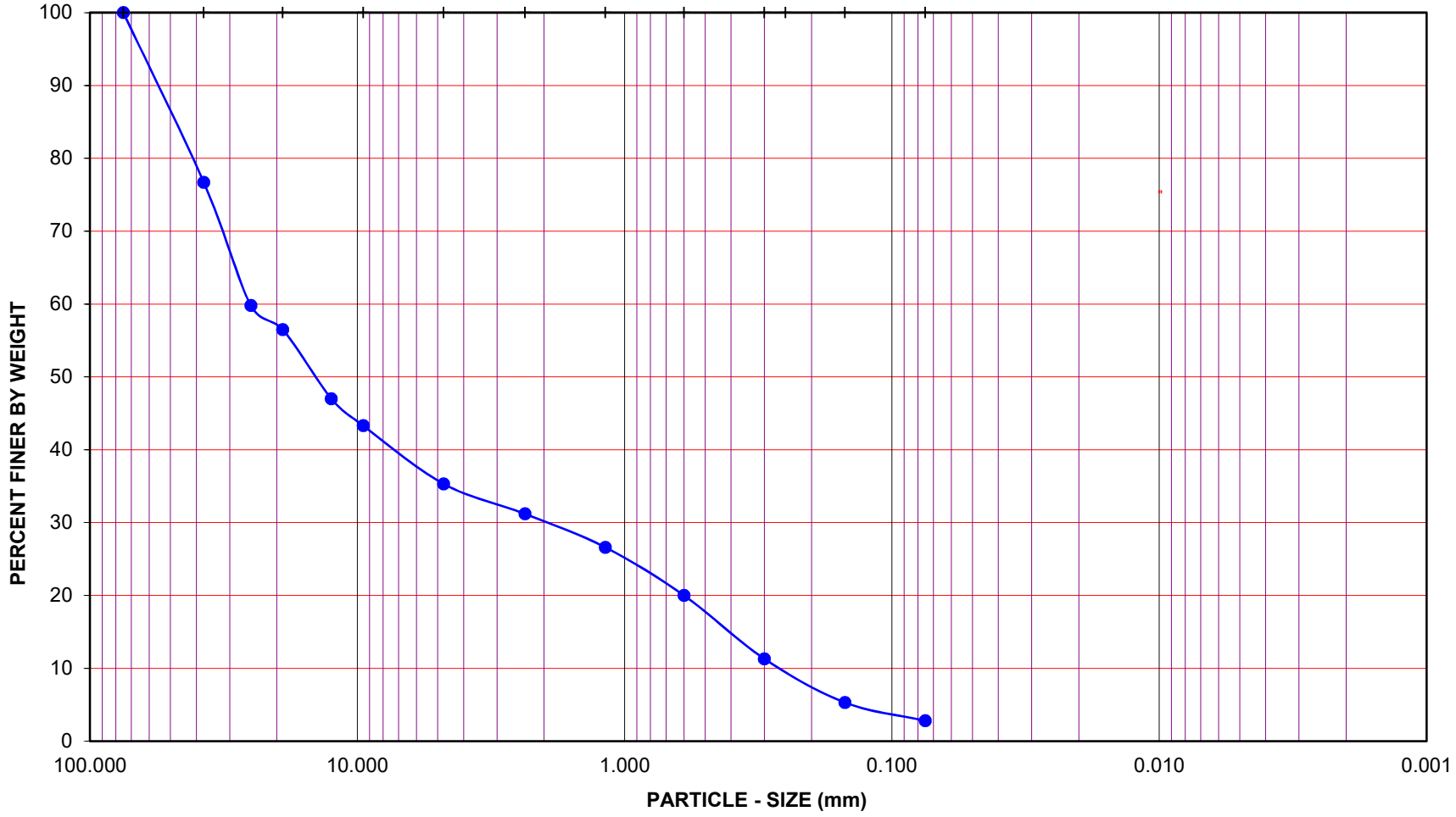
Remarks:

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING: 3.0" 1 1/2" 3/4" 3/8"

U.S. STANDARD SIEVE NUMBER: #4 #8 #16 #30 #50 #100 #200

HYDROMETER



Project Name: Rexford Live Oak Irwindale

Project No.: 13384.001

Boring No.: LB-1 Sample No.: R-1

Depth (feet): 5.0 Soil Type : (GP)s

Soil Identification: Light brownish gray poorly-graded gravel with sand (GP)s

GR:SA:FI : (%) 65 : 32 : 3

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 6913

Jan-22

PARTICLE-SIZE DISTRIBUTION (GRADATION) of SOILS USING SIEVE ANALYSIS

ASTM D6913

Project Name: Rexford Live Oak Irwindale
Project No.: 13384.001
Boring No.: LB-2
Sample No.: S-3
Soil Identification: Brown poorly-graded gravel with sand and silt (GP-GM)s

Tested By: J. Domingo Date: 01/14/22
Checked By: A. Santos Date: 01/21/22
Depth (feet): 10.0

Calculation of Dry Weights	Whole Sample	Sample Passing #4	Moisture Contents	Whole Sample	Sample passing #4
Container No.:	788	750	Wt. of Air-Dry Soil + Cont.(g)	0.0	0.0
Wt. Air-Dried Soil + Cont.(g)	579.7	297.8	Wt. of Dry Soil + Cont. (g)	0.0	0.0
Wt. of Container (g)	75.5	76.6	Wt. of Container No._____(g)	1.0	1.0
Dry Wt. of Soil (g)	504.2	221.2	Moisture Content (%)	0.0	0.0

Passing #4 Material After Wet Sieve		
	Container No.	750
	Wt. of Dry Soil + Container (g)	275.9
	Wt. of Container (g)	76.6
	Dry Wt. of Soil Retained on # 200 Sieve (g)	199.3

U. S. Sieve Size		Cumulative Weight of Dry Soil Retained (g)		Percent Passing (%)
	(mm.)	Whole Sample	Sample Passing #4	
3"	75.0			
1 1/2"	37.5	0.0		100.0
1"	25.0	55.2		89.1
3/4"	19.0	109.5		78.3
1/2"	12.5	203.4		59.7
3/8"	9.5	232.5		53.9
#4	4.75	282.6		44.0
#8	2.36		39.8	36.1
#16	1.18		75.8	28.9
#30	0.600		114.0	21.3
#50	0.300		154.1	13.3
#100	0.150		180.8	8.0
#200	0.075		196.9	4.8
PAN				

GRAVEL: **56 %**
SAND: **39 %**
FINES: **5 %**
GROUP SYMBOL: **(GP-GM)s**

Cu = D60/D10 = 52.00
Cc = $(D30)^2/(D60*D10)$ = 0.94

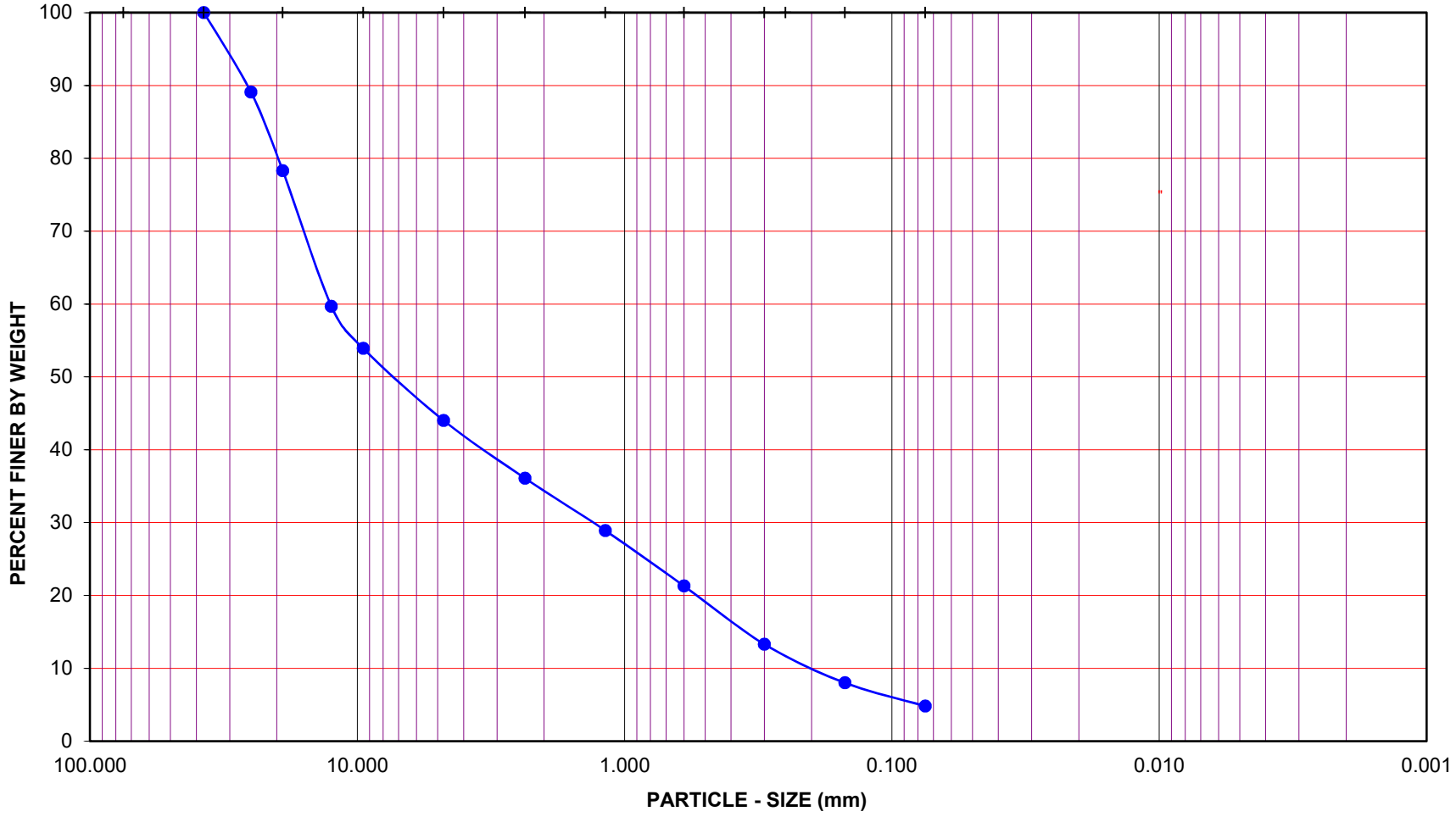
Remarks:

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING: 3.0" 1 1/2" 3/4" 3/8"

U.S. STANDARD SIEVE NUMBER: #4 #8 #16 #30 #50 #100 #200

HYDROMETER



Project Name: Rexford Live Oak Irwindale

Project No.: 13384.001

Boring No.: LB-2 Sample No.: S-3

Depth (feet): 10.0 Soil Type : (GP-GM)s

Soil Identification: Brown poorly-graded gravel with sand and silt (GP-GM)s

GR:SA:FI : (%) 56 : 39 : 5

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 6913

Jan-22

Sieve LB-2, S-3 @ 10

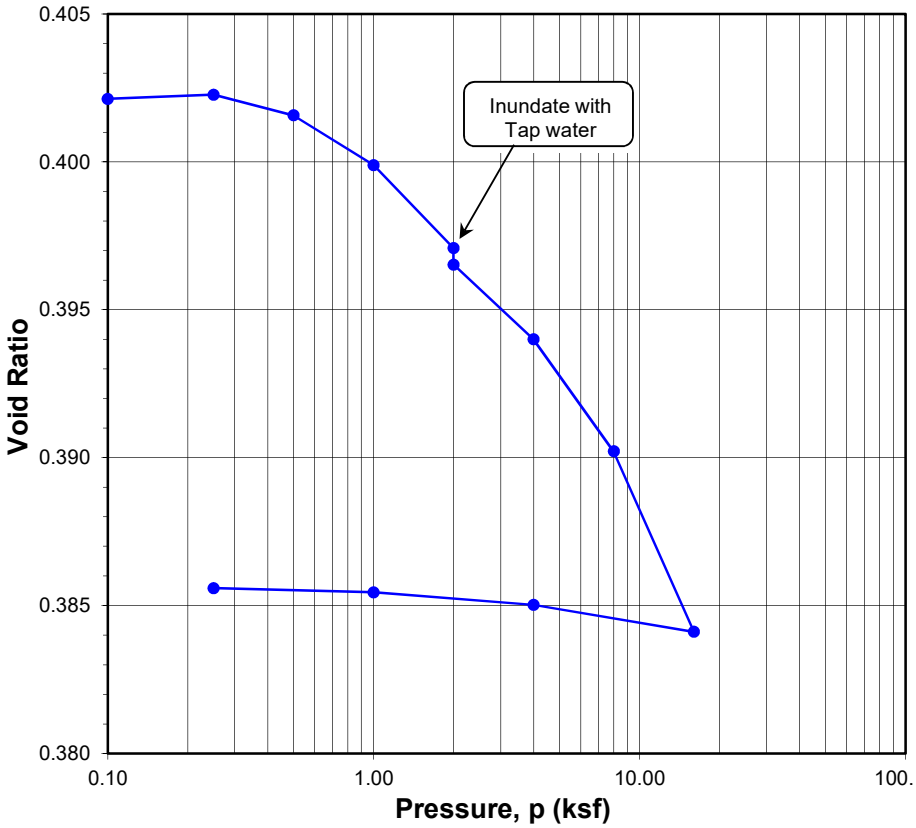
ONE-DIMENSIONAL CONSOLIDATION PROPERTIES of SOILS

ASTM D 2435

Project Name: Rexford Live Oak Irwindale
Project No.: 13384.001
Boring No.: LB-1
Sample No.: B-1
Soil Identification: Olive brown silty sand with gravel (SM)g

Tested By: G. Bathala Date: 01/13/22
Checked By: A. Santos Date: 01/21/22
Depth (ft.): 0-5
Sample Type: 95% Remold

Sample Diameter (in.)	2.415
Sample Thickness (in.)	1.000
Wt. of Sample + Ring (g)	200.28
Weight of Ring (g)	42.86
Height after consol. (in.)	0.9882
Before Test	
Wt.Wet Sample+Cont. (g)	178.11
Wt.of Dry Sample+Cont. (g)	168.37
Weight of Container (g)	58.96
Initial Moisture Content (%)	8.9
Initial Dry Density (pcf)	120.2
Initial Saturation (%)	60
Initial Vertical Reading (in.)	0.3223
After Test	
Wt.of Wet Sample+Cont. (g)	264.70
Wt. of Dry Sample+Cont. (g)	246.72
Weight of Container (g)	59.16
Final Moisture Content (%)	12.43
Final Dry Density (pcf)	121.8
Final Saturation (%)	87
Final Vertical Reading (in.)	0.3073
Specific Gravity (assumed)	2.70
Water Density (pcf)	62.43

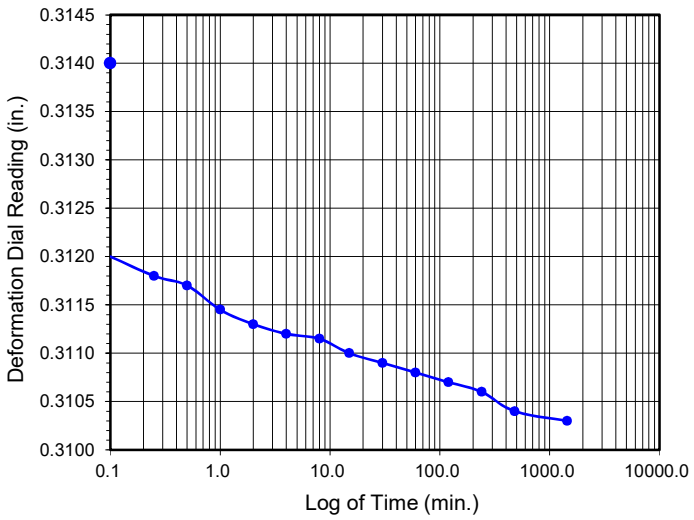


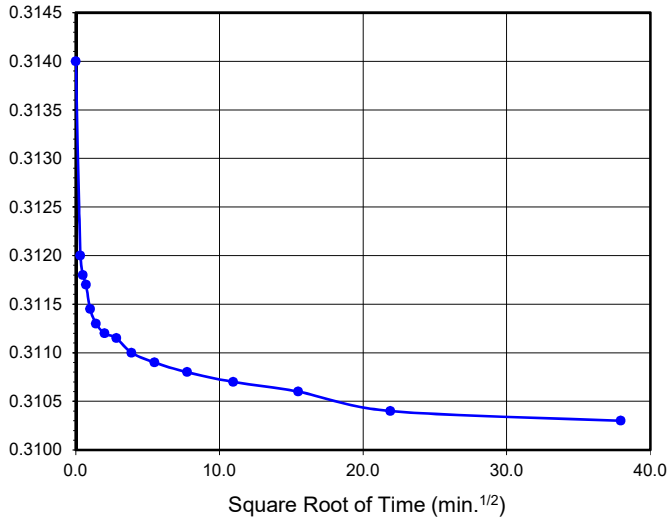
Pressure (p) (ksf)	Final Reading (in.)	Apparent Thickness (in.)	Load Compliance (%)	Deformation % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.10	0.3223	1.0000	0.00	0.00	0.402	0.00
0.25	0.3215	0.9992	0.09	0.08	0.402	-0.01
0.50	0.3201	0.9978	0.18	0.22	0.402	0.04
1.00	0.3178	0.9955	0.29	0.45	0.400	0.16
2.00	0.3144	0.9921	0.43	0.79	0.397	0.36
2.00	0.3140	0.9917	0.43	0.83	0.397	0.40
4.00	0.3103	0.9880	0.62	1.20	0.394	0.58
8.00	0.3054	0.9831	0.84	1.69	0.390	0.85
16.00	0.2988	0.9765	1.07	2.36	0.384	1.29
4.00	0.3018	0.9795	0.83	2.05	0.385	1.22
1.00	0.3050	0.9827	0.54	1.73	0.385	1.19
0.25	0.3073	0.9850	0.32	1.50	0.386	1.18

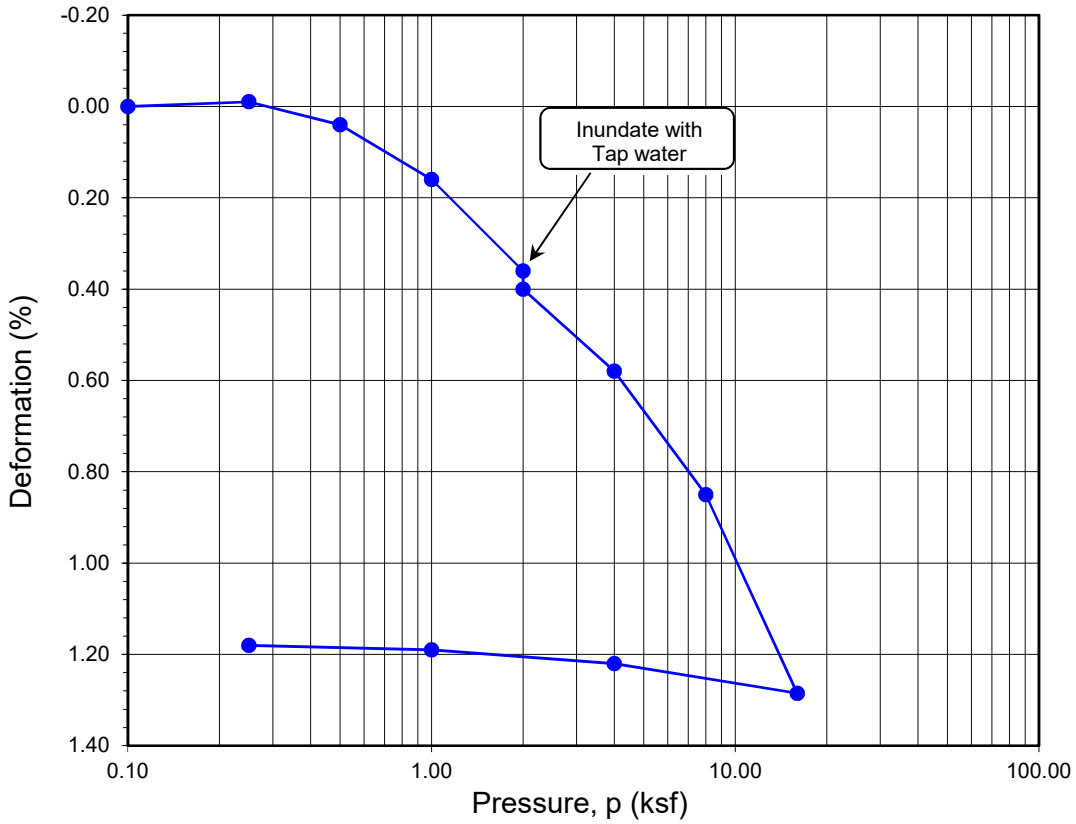
Time Readings @ 4 ksf

Date	Time	Elapsed Time (min)	Square Root of Time	Dial Rdgs. (in.)
1/17/22	10:35:00	0.0	0.0	0.3140
1/17/22	10:35:06	0.1	0.3	0.3120
1/17/22	10:35:15	0.2	0.5	0.3118
1/17/22	10:35:30	0.5	0.7	0.3117
1/17/22	10:36:00	1.0	1.0	0.3115
1/17/22	10:37:00	2.0	1.4	0.3113
1/17/22	10:39:00	4.0	2.0	0.3112
1/17/22	10:43:00	8.0	2.8	0.3112
1/17/22	10:50:00	15.0	3.9	0.3110
1/17/22	11:05:00	30.0	5.5	0.3109
1/17/22	11:35:00	60.0	7.7	0.3108
1/17/22	12:35:00	120.0	11.0	0.3107
1/17/22	14:35:00	240.0	15.5	0.3106
1/17/22	18:35:00	480.0	21.9	0.3104
1/18/22	10:35:00	1440.0	37.9	0.3103

Time Readings @ 4 ksf







Boring No.	Sample No.	Depth (ft.)	Moisture Content (%)		Dry Density (pcf)		Void Ratio		Degree of Saturation (%)	
			Initial	Final	Initial	Final	Initial	Final	Initial	Final
LB-1	**B-1**	**0-5**	**8.9**	**12.4**	**120.2**	**121.8**	**0.402**	**0.386**	**60**	**87**

Soil Identification: Olive brown silty sand with gravel (SM)g

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ONE-DIMENSIONAL CONSOLIDATION PROPERTIES of SOILS
ASTM D 2435

Project No.: 13384.001

Rexford Live Oak Irwindale

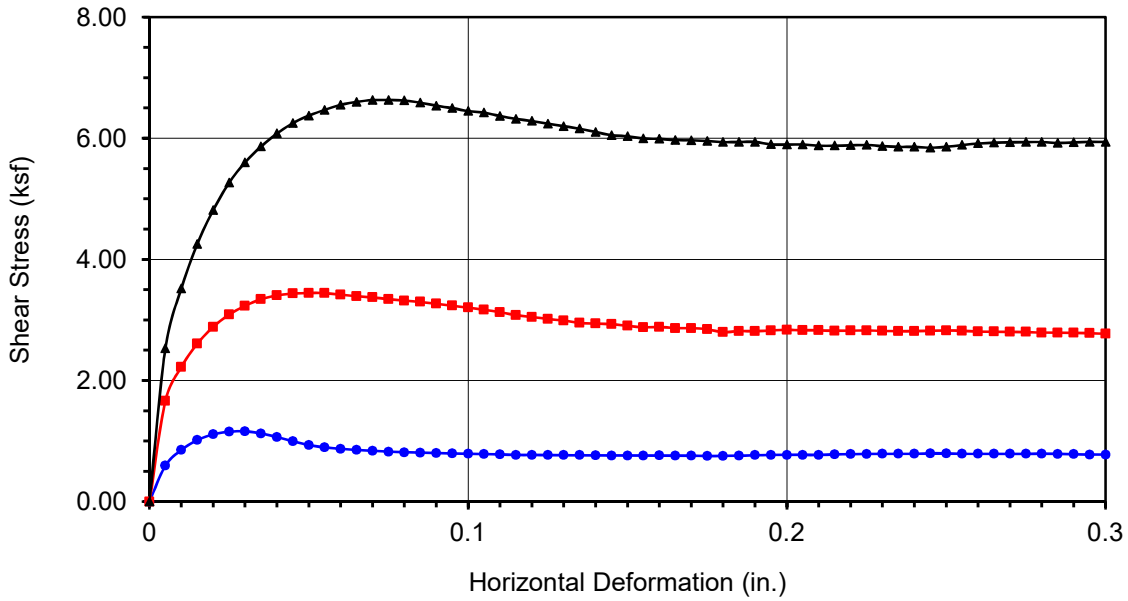
DIRECT SHEAR TEST

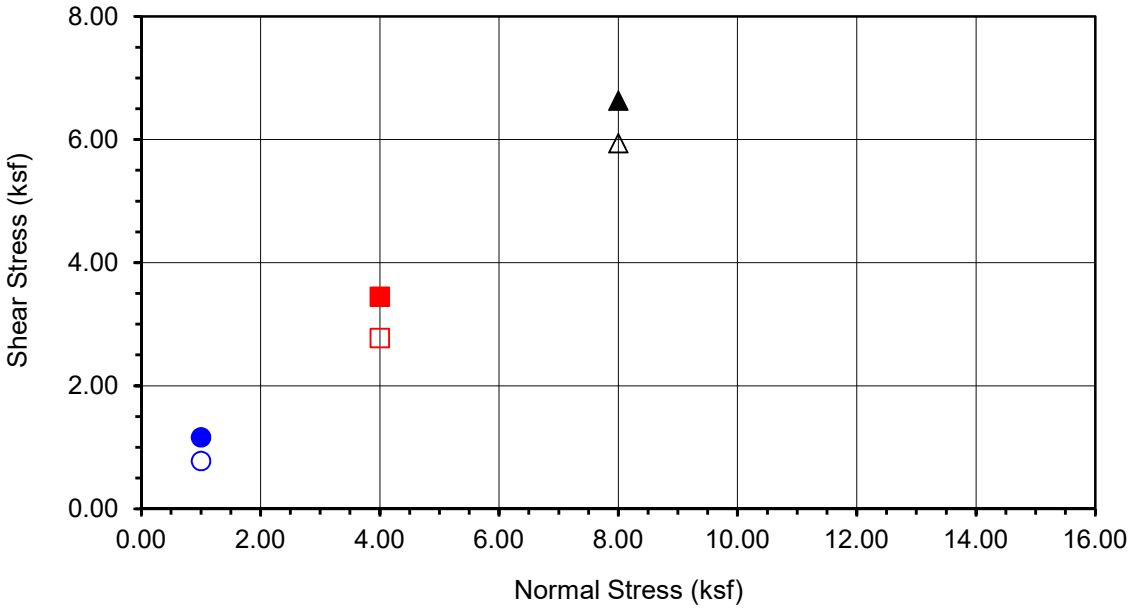
Consolidated Drained - ASTM D 3080

Project Name:	Rexford Live Oak Irwindale	Tested By:	G. Bathala	Date:	01/19/22
Project No.:	13384.001	Checked By:	A. Santos	Date:	01/24/22
Boring No.:	LB-1	Sample Type:	95% Remold		
Sample No.:	B-1	Depth (ft.):	0-5		

Soil Identification: Olive brown silty sand with gravel (SM)g

Sample Diameter(in):	2.415	2.415	2.415
Sample Thickness(in.):	1.000	1.000	1.000
Weight of Sample + ring(gm):	203.51	203.72	204.05
Weight of Ring(gm):	45.48	45.49	45.68
Before Shearing			
Weight of Wet Sample+Cont.(gm):	178.11	178.11	178.11
Weight of Dry Sample+Cont.(gm):	168.37	168.37	168.37
Weight of Container(gm):	58.96	58.96	58.96
Vertical Rdg.(in): Initial	0.2632	0.2561	0.0000
Vertical Rdg.(in): Final	0.2722	0.2709	-0.0304
After Shearing			
Weight of Wet Sample+Cont.(gm):	229.42	227.54	227.52
Weight of Dry Sample+Cont.(gm):	210.34	209.35	209.47
Weight of Container(gm):	66.93	66.85	66.08
Specific Gravity (Assumed):	2.70	2.70	2.70
Water Density(pcf):	62.43	62.43	62.43





Boring No.	**LB-1**
Sample No.	**B-1**
Depth (ft)	**0-5**
Sample Type: 95% Remold	
Soil Identification: Olive brown silty sand with gravel (SM)g	

Normal Stress (kip/ft²)	1.000	4.000	8.000
Peak Shear Stress (kip/ft²)	● 1.160	■ 3.442	▲ 6.630
Shear Stress @ End of Test (ksf)	○ 0.777	□ 2.770	△ 5.939
Deformation Rate (in./min.)	0.0025	0.0025	0.0025
Initial Sample Height (in.)	1.000	1.000	1.000
Diameter (in.)	2.415	2.415	2.415
Initial Moisture Content (%)	8.90	8.90	8.90
Dry Density (pcf)	120.7	120.8	120.9
Saturation (%)	60.6	60.9	61.0
Soil Height Before Shearing (in.)	0.9910	0.9852	0.9696
Final Moisture Content (%)	13.3	12.8	12.6

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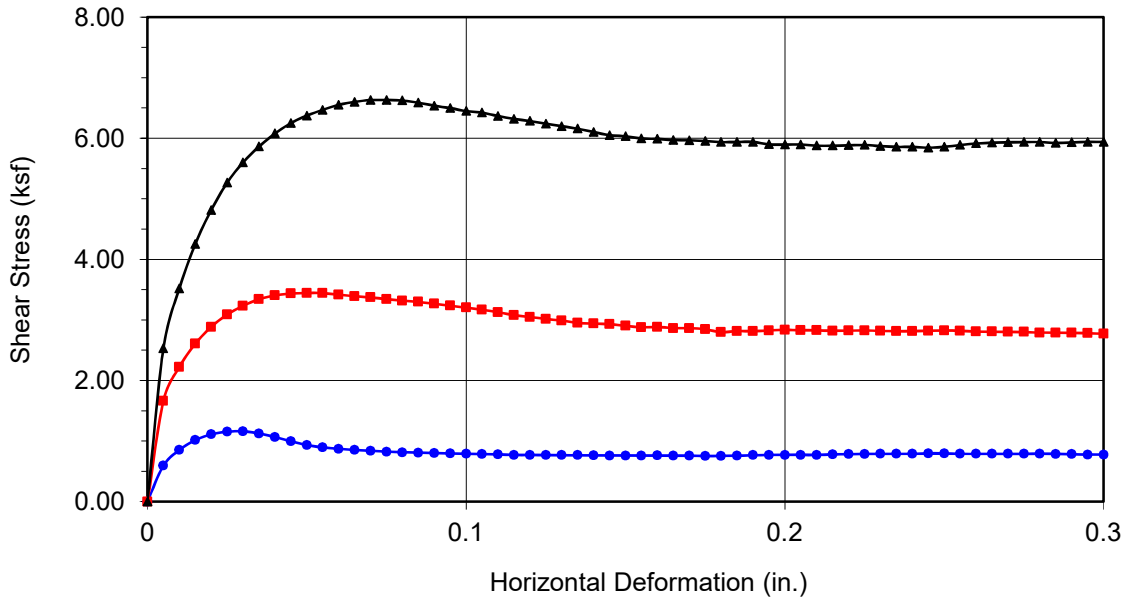
DIRECT SHEAR TEST RESULTS

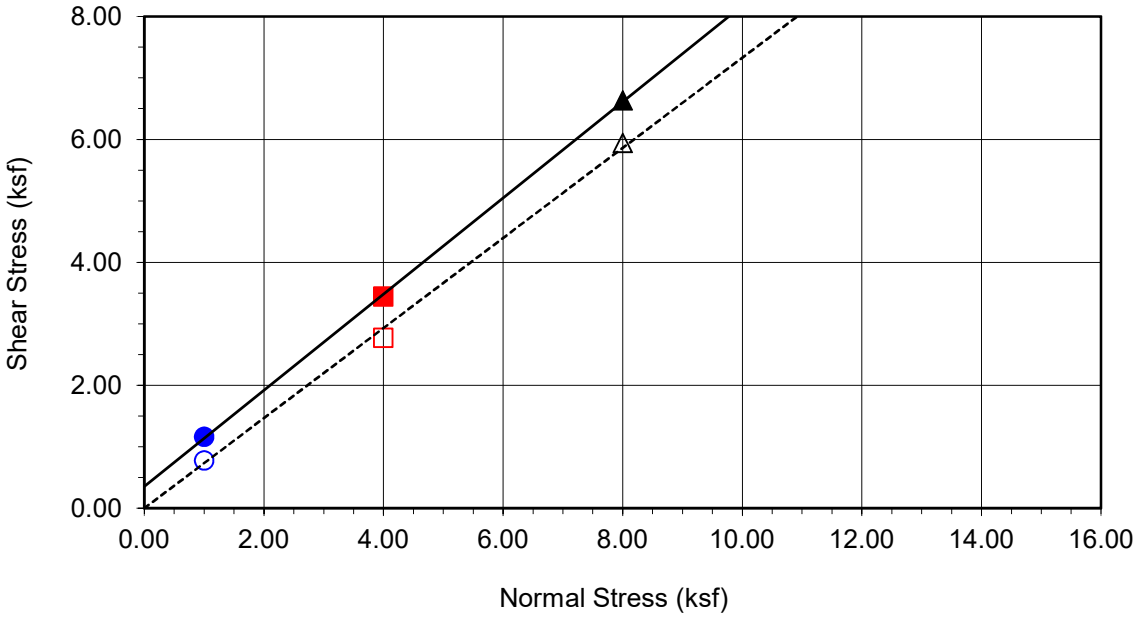
Consolidated Drained - ASTM D 3080

Project No.: 13384.001

Rexford Live Oak Irwindale

01-22





Boring No.	**LB-1**
Sample No.	**B-1**
Depth (ft)	**0-5**
Sample Type:	95% Remold
Soil Identification:	Olive brown silty sand with gravel (SM)g

Strength Parameters

	C (psf)	ϕ (°)
Peak	354	38
Ultimate	0	36

Normal Stress (kip/ft²)	1.000	4.000	8.000
Peak Shear Stress (kip/ft²)	● 1.160	■ 3.442	▲ 6.630
Shear Stress @ End of Test (ksf)	○ 0.777	□ 2.770	△ 5.939
Deformation Rate (in./min.)	0.0025	0.0025	0.0025
Initial Sample Height (in.)	1.000	1.000	1.000
Diameter (in.)	2.415	2.415	2.415
Initial Moisture Content (%)	8.90	8.90	8.90
Dry Density (pcf)	120.7	120.8	120.9
Saturation (%)	60.6	60.9	61.0
Soil Height Before Shearing (in.)	0.9910	0.9852	0.9696
Final Moisture Content (%)	13.3	12.8	12.6

Leighton

DIRECT SHEAR TEST RESULTS

Consolidated Drained - ASTM D 3080

Project No.: 13384.001

Rexford Live Oak Irwindale

01-22

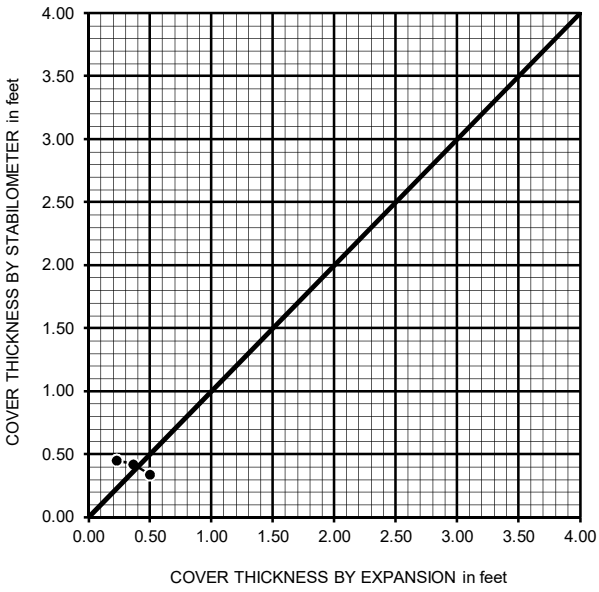
R-VALUE TEST RESULTS
DOT CA Test 301

PROJECT NAME:	Rexford Live Oak Irwindale	PROJECT NUMBER:	13384.001
BORING NUMBER:	LB-1	DEPTH (FT.):	0-5
SAMPLE NUMBER:	B-1	TECHNICIAN:	A. Santos
SAMPLE DESCRIPTION:	Olive brown silty sand with gravel (SM)g	DATE COMPLETED:	1/17/2022

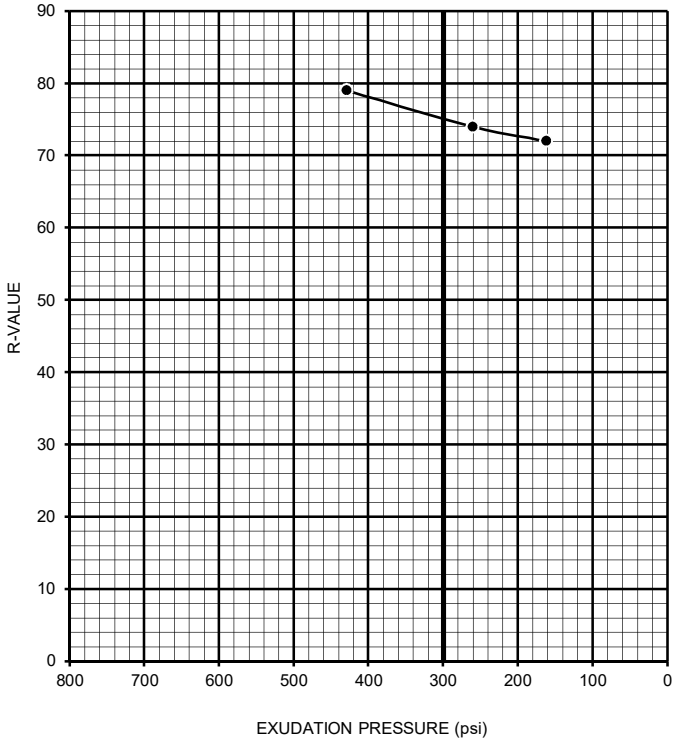
TEST SPECIMEN	a	b	c
MOISTURE AT COMPACTION %	15.7	15.9	16.2
HEIGHT OF SAMPLE, Inches	2.48	2.50	2.54
DRY DENSITY, pcf	114.7	114.1	113.7
COMPACTOR PRESSURE, psi	250	225	200
EXUDATION PRESSURE, psi	429	261	162
EXPANSION, Inches x 10exp-4	15	11	7
STABILITY Ph 2,000 lbs (160 psi)	20	24	26
TURNS DISPLACEMENT	4.70	5.00	5.10
R-VALUE UNCORRECTED	79	74	72
R-VALUE CORRECTED	79	74	72

DESIGN CALCULATION DATA	a	b	c
GRAVEL EQUIVALENT FACTOR	1.0	1.0	1.0
TRAFFIC INDEX	5.0	5.0	5.0
STABILOMETER THICKNESS, ft.	0.34	0.42	0.45
EXPANSION PRESSURE THICKNESS, ft.	0.50	0.37	0.23

EXPANSION PRESSURE CHART



EXUDATION PRESSURE CHART



R-VALUE BY EXPANSION:	75
R-VALUE BY EXUDATION:	75
EQUILIBRIUM R-VALUE:	75

TESTS for SULFATE CONTENT
CHLORIDE CONTENT and pH of SOILS

Project Name: Rexford Live Oak Irwindale Tested By : G. Berdy Date: 01/13/22

Project No. : 13384.001 Checked By: A. Santos Date: 01/21/22

Boring No.	LB-1			
Sample No.	B-1			
Sample Depth (ft)	0-5			
Soil Identification:	Olive brown (SM)g			
Wet Weight of Soil + Container (g)	0.00			
Dry Weight of Soil + Container (g)	0.00			
Weight of Container (g)	1.00			
Moisture Content (%)	0.00			
Weight of Soaked Soil (g)	100.16			

SULFATE CONTENT, DOT California Test 417, Part II

Beaker No.	303			
Crucible No.	12			
Furnace Temperature (°C)	860			
Time In / Time Out	8:00/8:45			
Duration of Combustion (min)	45			
Wt. of Crucible + Residue (g)	20.7543			
Wt. of Crucible (g)	20.7514			
Wt. of Residue (g) (A)	0.0029			
PPM of Sulfate (A) x 41150	119.34			
PPM of Sulfate, Dry Weight Basis	**119**			

CHLORIDE CONTENT, DOT California Test 422

ml of Extract For Titration (B)	15			
ml of AgNO3 Soln. Used in Titration (C)	0.8			
PPM of Chloride (C -0.2) * 100 * 30 / B	120			
PPM of Chloride, Dry Wt. Basis	**120**			

pH TEST, DOT California Test 643

pH Value	**8.63**			
Temperature °C	22.0			

SOIL RESISTIVITY TEST

DOT CA TEST 643

Project Name: Rexford Live Oak Irwindale
Project No. : 13384.001
Boring No.: LB-1
Sample No. : B-1
Soil Identification:* Olive brown (SM)g

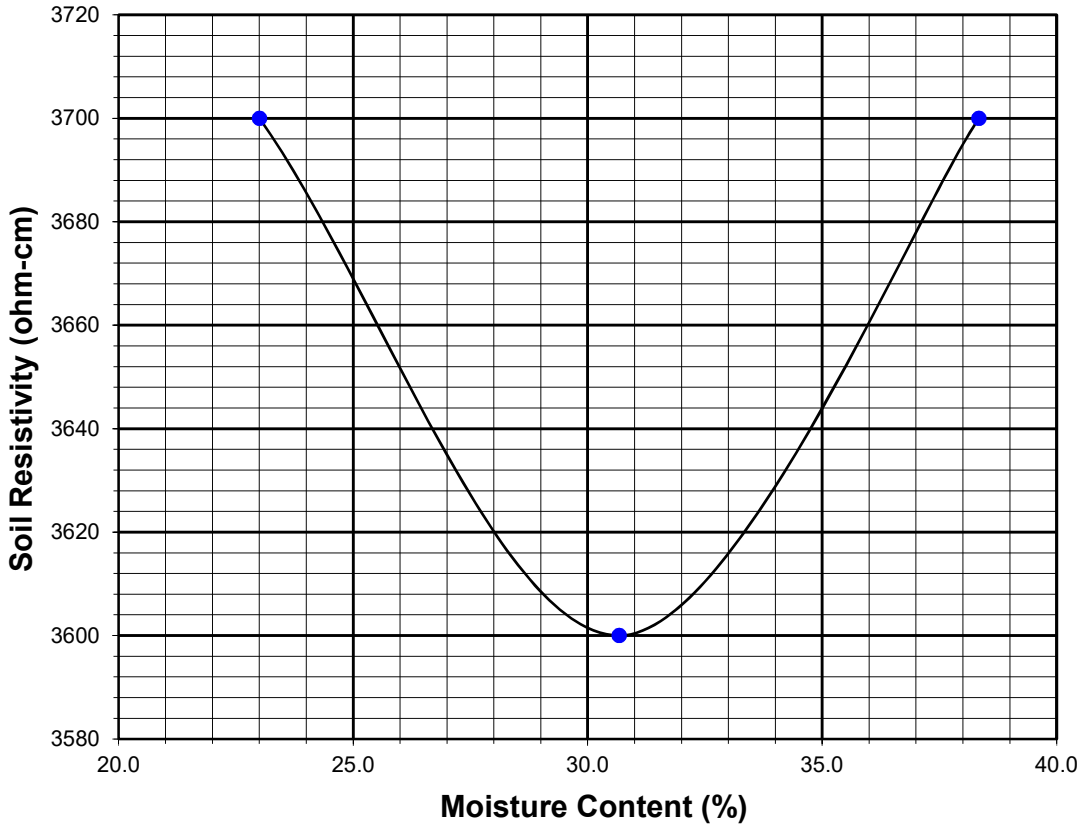
Tested By : J. Domingo Date: 01/20/22
Checked By: A. Santos Date: 01/21/22
Depth (ft.) : 0-5

*California Test 643 requires soil specimens to consist only of portions of samples passing through the No. 8 US Standard Sieve before resistivity testing. Therefore, this test method may not be representative for coarser materials.

Specimen No.	Water Added (ml) (Wa)	Adjusted Moisture Content (MC)	Resistance Reading (ohm)	Soil Resistivity (ohm-cm)
1	30	23.01	3700	3700
2	40	30.67	3600	3600
3	50	38.34	3700	3700
4				
5				

Moisture Content (%) (MCi)	0.00
Wet Wt. of Soil + Cont. (g)	0.00
Dry Wt. of Soil + Cont. (g)	0.00
Wt. of Container (g)	1.00
Container No.	
Initial Soil Wt. (g) (Wt)	130.40
Box Constant	1.000
MC =(((1+Mci/100)x(Wa/Wt+1))-1)x100	

Min. Resistivity (ohm-cm)	Moisture Content (%)	Sulfate Content (ppm)	Chloride Content (ppm)	Soil pH	
				pH	Temp. (°C)
DOT CA Test 643		DOT CA Test 417 Part II	DOT CA Test 422	DOT CA Test 643	
3600	**30.7**	**119**	**120**	**8.63**	**22.0**



APPENDIX D

GEOPHYSICAL EVALUATION (ATLAS, 2022)

6280 Riverdale Street
San Diego, CA 92120
(877) 215-4321 | oneatlas.com

February 4, 2022

Atlas No. 122006SWG
Report No. 1

MR. JEFF PFLUEGER, PG, CEG
LEIGHTON
17781 COWAN
IRVINE, CA 92614

Subject: Geophysical Evaluation
14005 Live Oak Avenue
Irwindale, California

Dear Mr. Pflueger:

In accordance with your authorization, Atlas Technical Consultants has performed a geophysical evaluation pertaining to the project located at 14005 Live Oak Avenue, Irwindale, California (Figure 1). The purpose of our study was to perform two one-dimensional (1-D) seismic surface wave refraction microtremor (ReMi) profiles to be used for design and construction at the study site. This letter report presents our methodology, equipment used, analysis, and findings. Our services were conducted on January 17, 2022.

Our scope of services for the project included the performance of 1-D ReMi profiles, labeled RL-1 and RL-2. (Figure 2). The ReMi technique uses recorded surface waves (specifically Rayleigh waves) that are contained in background noise to develop a shear-wave velocity profile of the study area down to a depth, in this case, of approximately 100 feet. The depth of exploration is dependent on the length of the line and the frequency content of the background noise. The results of the ReMi method are displayed as a one-dimensional sounding which represents the average condition across the length of the line. The ReMi method does not require an increase of material velocity with depth; therefore, low-velocity zones (velocity inversions) are detectable with ReMi. Our ReMi evaluation included the use of a 24-channel Geometrics Geode seismograph and 24, 4.5-Hz vertical component geophones. For both RL-1 and RL-2, the geophones were spaced 10 feet apart for a total line length of 230 feet. Fifteen records, each 32 seconds long, were recorded and then downloaded to a computer. The data was later processed using Surface Plus 9.1 - Advanced Surface Wave Processing Software (Geogiga Technology Corp., 2020), which uses the refraction microtremor method (Louie, 2001) and other surface wave analysis methods. The program generates phase-velocity dispersion curves for each record and provides an interactive dispersion modeling tool where the users determine the best fitting model. The result is a one-dimensional shear-wave velocity model of the site with roughly 85 to 95 percent accuracy.

Figure 3 depicts the general site conditions in the study area. Table 1, Figures 4a and 4b present the results from our evaluation for both seismic lines (RL-1 and RL-2).

Based on our analysis of the collected data for RL-1 and RL-2, the average characteristic site shear-wave velocities down to a depth of 100 feet are 1,648 and 1,598 feet per second (ft/s) respectively (CBC, 2019). These values correspond to a site classification of C. It should be noted the ReMi results represent the average condition across the length of each line.

Table 1 – ReMi Results

Line No.	Depth (feet)	Shear Wave Velocity (feet/second)
RL-1 (E-W)	0 – 6.32	834
	6.32 – 16.06	1102.7
	16.06 – 29.95	1617.7
	29.95 – 43.65	1803.9
	43.65 – 68.05	1918.2
	68.05 – 91.27	1941.8
	91.27 – 100	2552.1
RL-2 (N-S)	0 – 6.58	786.1
	6.58 – 15.94	1065
	15.94 – 30.39	1680
	30.39 – 44.39	1793.4
	44.39 – 69.77	1888.7
	69.77 – 96.37	1882
	96.37 – 100	2507.7

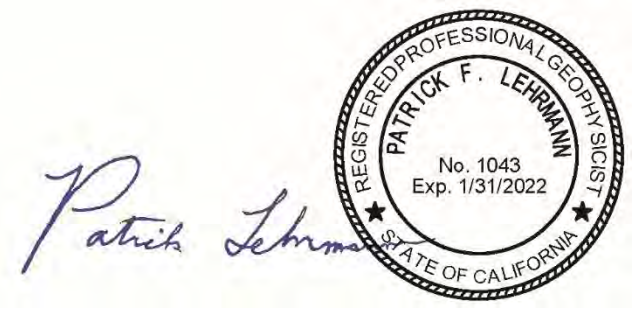
The field evaluation and geophysical analyses presented in this report have been conducted in general accordance with current practice and the standard of care exercised by consultants performing similar tasks in the project area. No warranty, express or implied, is made regarding the conclusions and opinions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist and conditions not observed or described in this report may be present. Uncertainties relative to subsurface conditions can be reduced through additional subsurface exploration. Additional subsurface evaluating will be performed upon request.

This document is intended to be used only in its entirety. No portions of the document, by itself, is designed to completely represent any aspect of the project described herein. Atlas should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use of or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

We appreciate the opportunity to be of service on this project. Should you have questions related to this report, please call us at (858) 527-0849.

Respectfully submitted,
Atlas Technical Consultants LLC



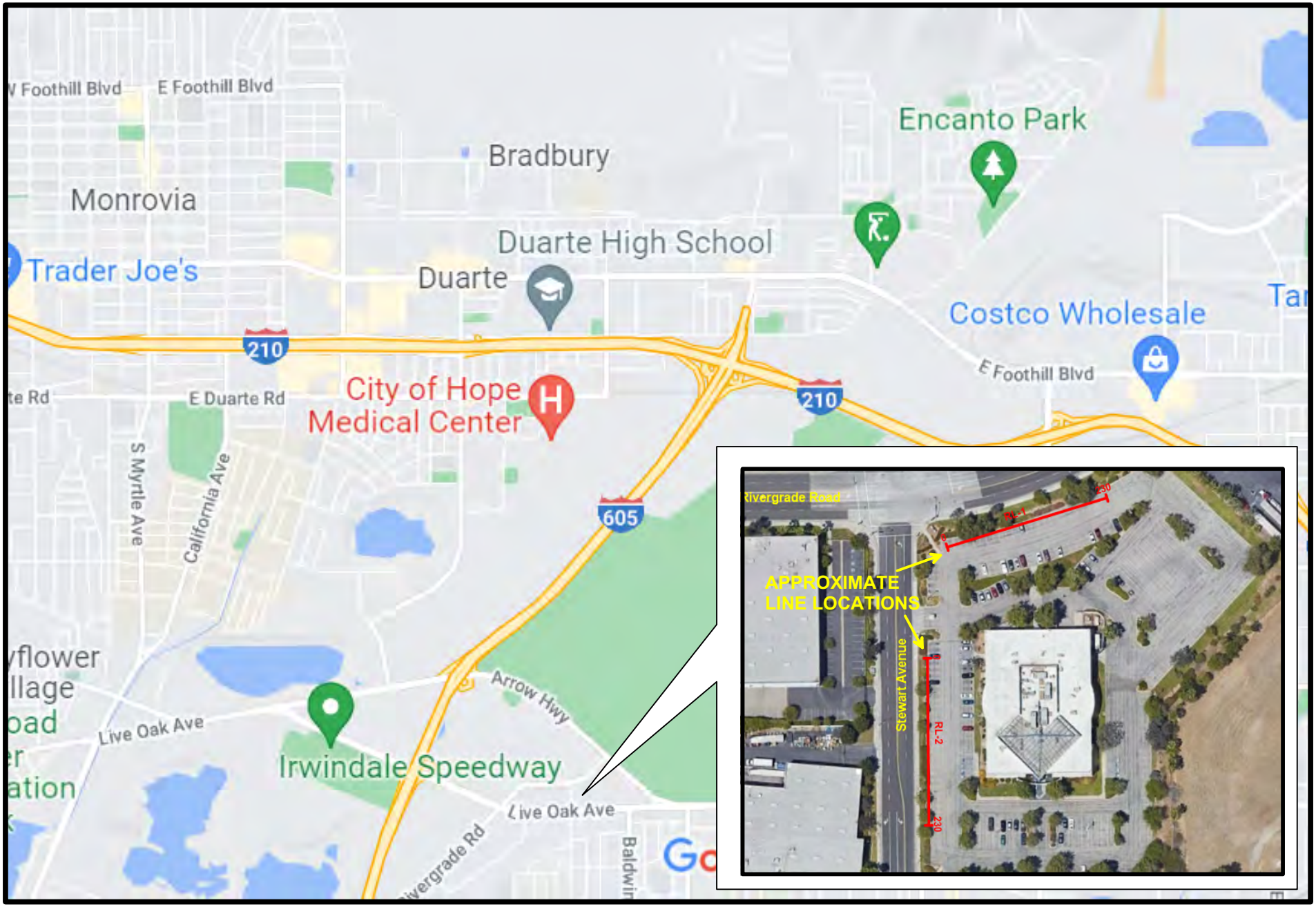
Orion Adah
Project Geophysicist

Patrick F. Lehrmann, P.G., P.Gp.
Principal Geologist/Geophysicist

OAA:PFL:pfl:ds

Attachments: Figure 1 – Site Location Map
Figure 2 – Seismic Line Location Map
Figure 3 – Site Photographs
Figure 4a – ReMi Results RL-1
Figure 4b – ReMi Results RL-2

Distribution: jpflueger@leightongroup.com



SITE LOCATION MAP

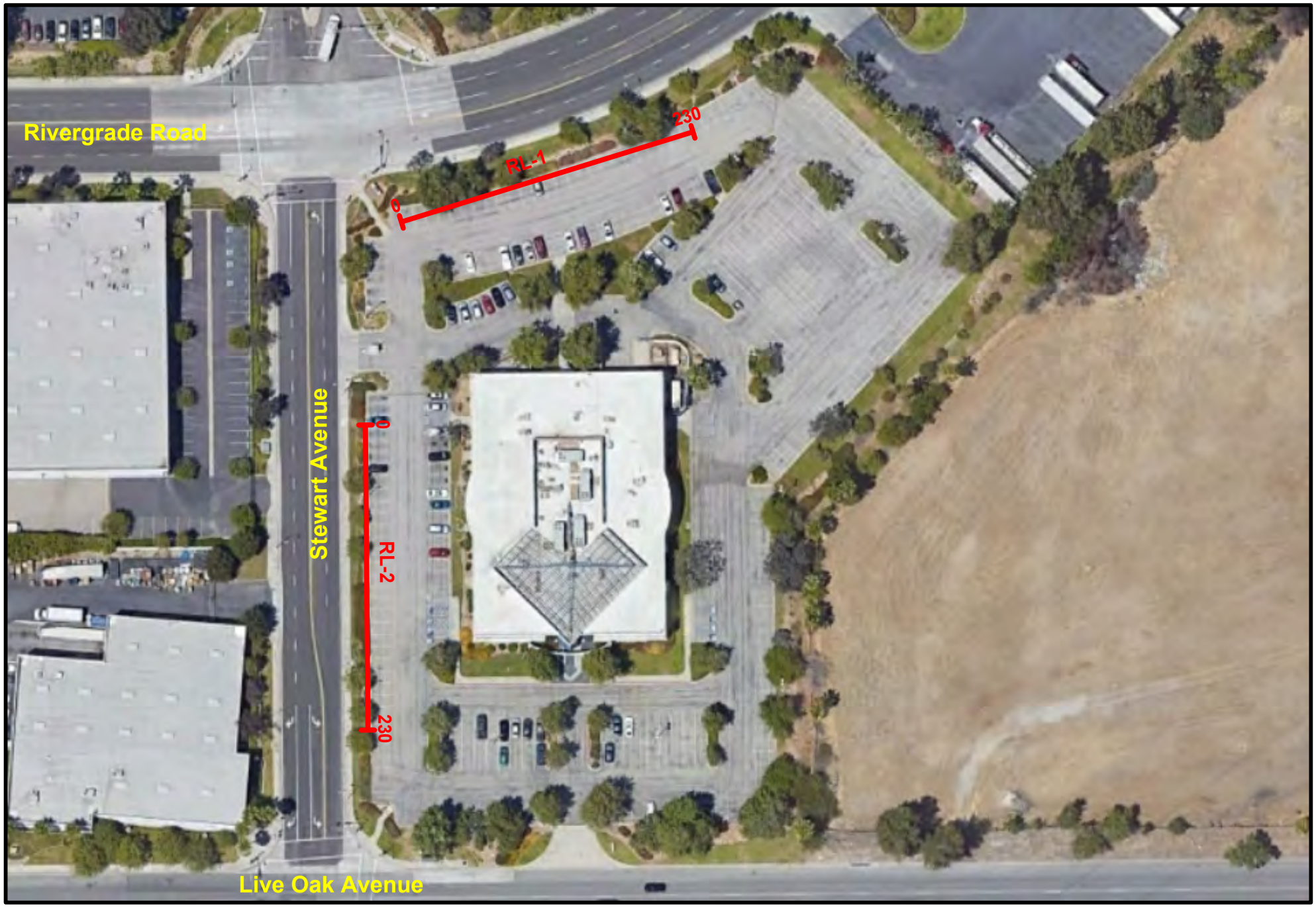
N

14005 Live Oak Avenue
Irwindale, California

Project No.: 122006SWG | Date: 02/22

ATLAS

Figure 1



SEISMIC LINE LOCATION MAP

N

14005 Live Oak Avenue
Irwindale, California

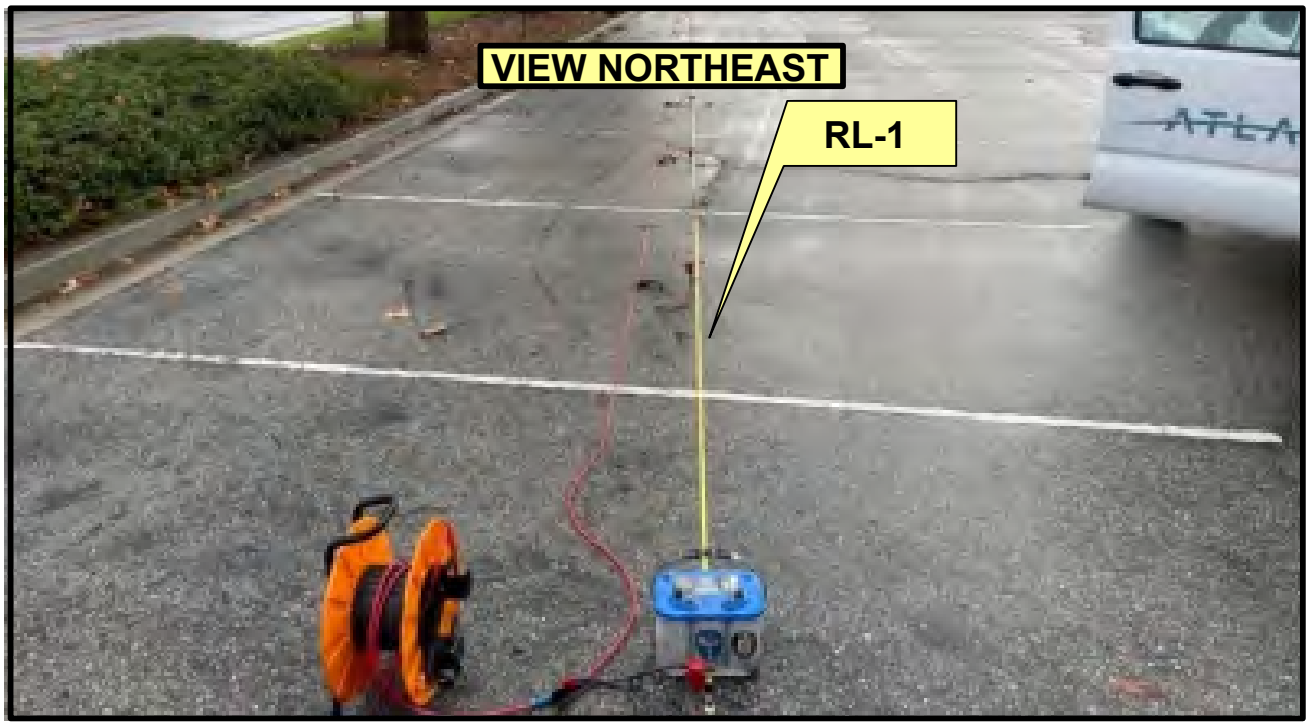
Project No.: 122006SWG | Date: 02/22

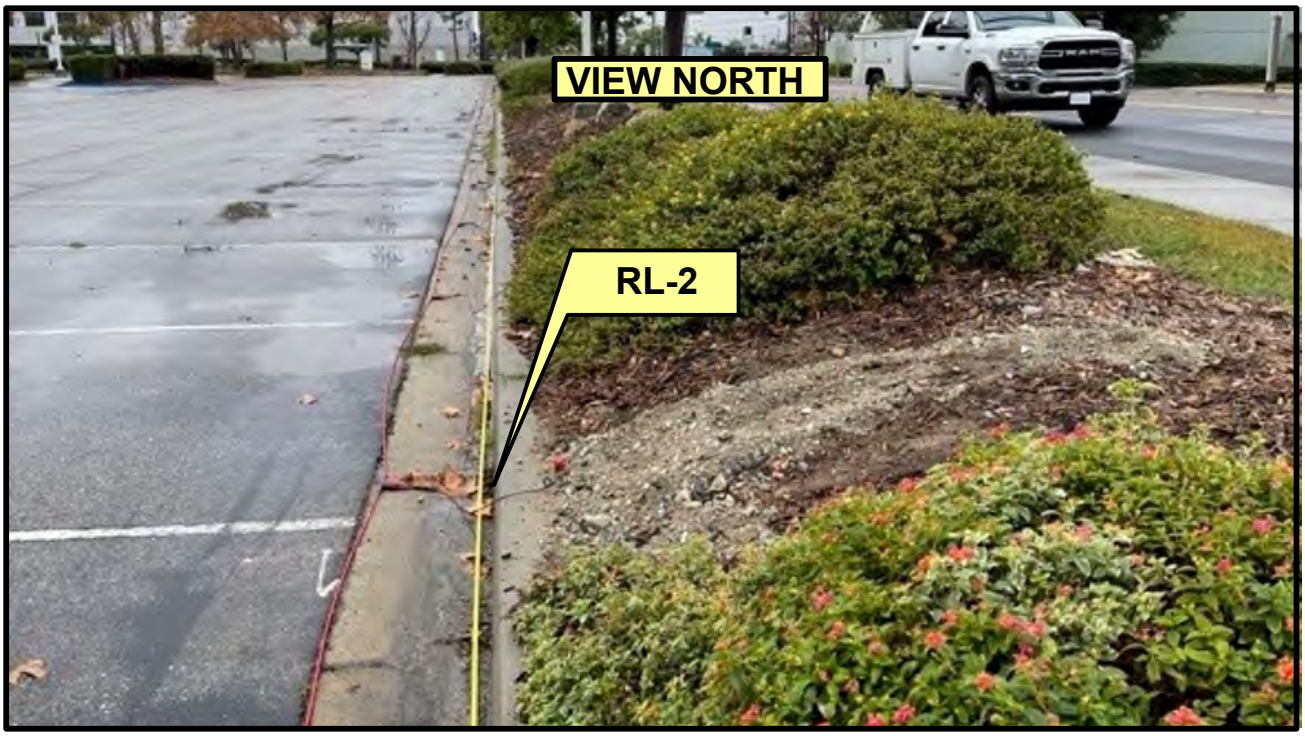
ATLAS

Figure 2

0 125 250

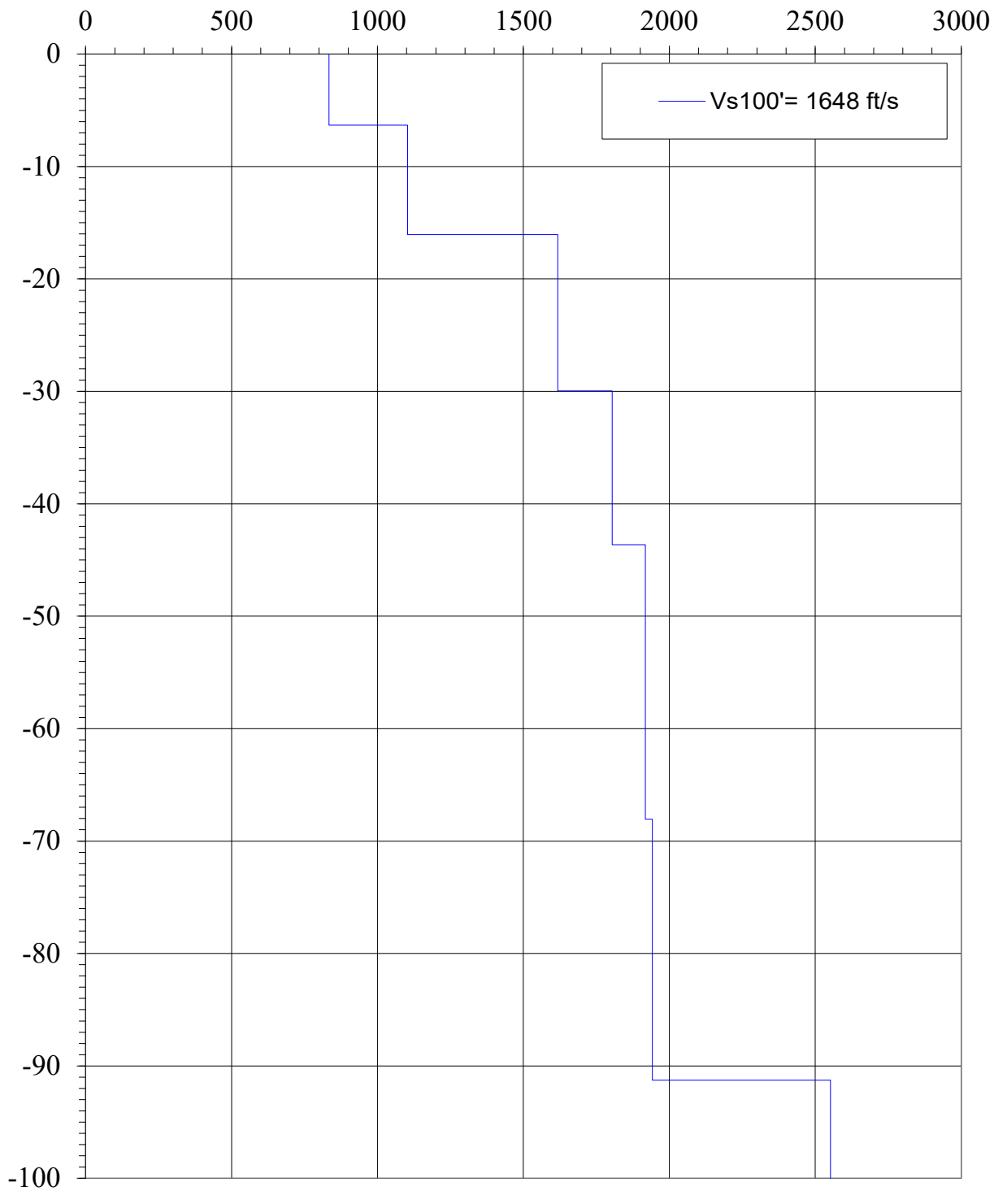
approximate scale in feet





SITE PHOTOGRAPHS	14005 Live Oak Avenue Irwindale, California	ATLAS Figure 3
	Project No.: 122006SWG | Date: 02/22	

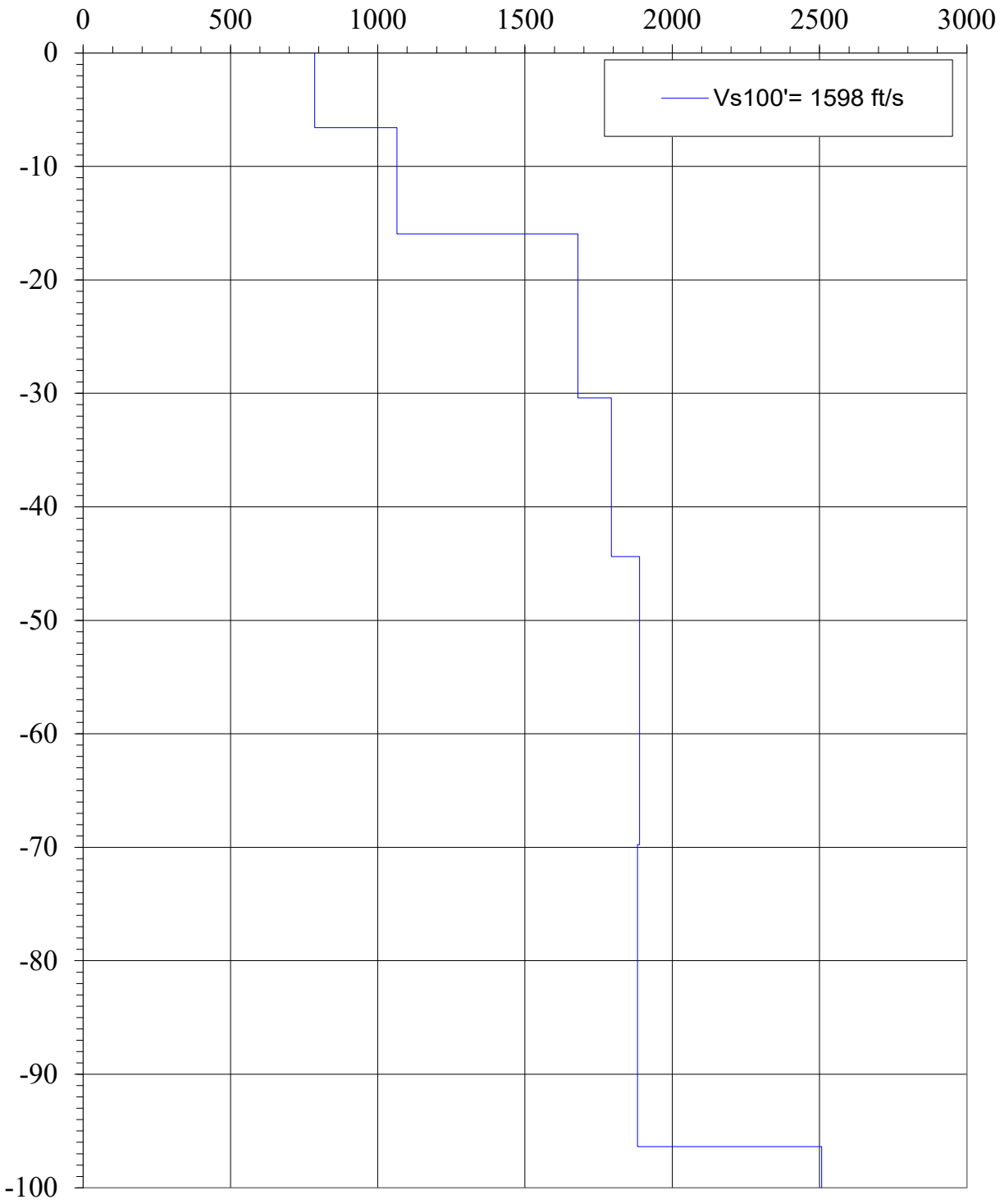
RL-1: Vs Model



Shear-Wave Velocity, ft/s

ReMi RESULTS **RL-1**	14005 Live Oak Avenue Irwindale, California	ATLAS Figure 4a
	Project No.: 122006SWG | Date: 02/22	

RL-2: Vs Model



Shear-Wave Velocity, ft/s

ReMi RESULTS **RL-2**	14005 Live Oak Avenue Irwindale, California	ATLAS Figure 4b
	Project No.: 122006SWG | Date: 02/22	

Appendix G

Greenhouse Gas Emissions Assessment

Kimley»Horn

Greenhouse Gas Emissions Assessment
14005 Live Oak Avenue Project
City of Irwindale, California

Prepared by:

Kimley-Horn and Associates, Inc.
660 South Figueroa Street, Suite 2050
Los Angeles, California 90017
Contact: Noemi Wyss, AICP

September 2024

TABLE OF CONTENTS

1 Introduction
1.1 Project Location 1
1.2 Project Description 1

2 Environmental Setting
2.1 Greenhouse Gases and Climate Change 6

3 Regulatory Setting
3.1 Federal 8
3.2 State of California 10
3.3 Regional 17
3.4 Local 18

4 Significance Criteria and Methodology
4.1 Thresholds and Significance Criteria 19
4.2 Methodology 20

5 Potential greenhouse gas Impacts and mitigation
5.1 Greenhouse Gas Emissions 21
5.2 Greenhouse Gas Reduction Plan Compliance 26
5.3 Cumulative Setting and Impacts 30

6 References 31

TABLES
Table 1: Description of Greenhouse Gases 7
Table 2: Construction-Related Greenhouse Gas Emissions 21
Table 3: Project Greenhouse Gas Emissions 22
Table 4: Regional Transportation Plan/Sustainable Communities Strategy Consistency 28

EXHIBITS
Exhibit 1: Regional Vicinity Map 3
Exhibit 2: Local Vicinity Map 4
Exhibit 3: Site Plan 5

APPENDIX
Appendix A: Greenhouse Gas Emissions Data

LIST OF ABBREVIATED TERMS

AB	Assembly Bill
CARB	California Air Resource Board
CCR	California Code of Regulations
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CALGreen Code	California Green Building Standards Code
CPUC	California Public Utilities Commission
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CFC	Chlorofluorocarbon
CPP	Clean Power Plan
CCSP	Climate Change Scoping Plan
cy	cubic yard
FCAA	Federal Clean Air Act
FR	Federal Register
GHG	greenhouse gas
HCFC	Hydrochlorofluorocarbon
HFC	Hydrofluorocarbon
LCFS	Low Carbon Fuel Standard
CH_4	Methane
$MMTCO_2e$	million metric tons of carbon dioxide equivalent
$MTCO_2e$	million tons of carbon dioxide equivalent
NHTSA	National Highway Traffic Safety Administration
NF_3	nitrogen trifluoride
N_2O	nitrous oxide
PFC	Perfluorocarbon
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SAFE	Safer Affordable Fuel-Efficient
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Government
Sf	square foot
SF_6	sulfur hexafluoride
TAC	toxic air contaminants
U.S. EPA	United States Environmental Protection Agency

1 INTRODUCTION

This report documents the results of a Greenhouse Gas (GHG) Emissions Assessment completed for the 14005 Live Oak Avenue Project (Project). The purpose of this analysis is to identify the GHG emissions associated with construction and operations of the Project and determine the level of impact the Project would have on the environment.

1.1 Project Location

The Project site is located in the eastern portion of the City of Irwindale (City or Irwindale) in the County of Los Angeles (County). The City is approximately 20 miles east of downtown Los Angeles and is neighbored by the cities of West Covina, Baldwin Park, Azusa, Duarte, El Monte, Monrovia, and the unincorporated areas of Los Angeles County; see **Exhibit 1: Regional Vicinity Map**. The Project site is located at 14005 Live Oak Avenue at the northeastern corner of the Live Oak Avenue/Stewart Avenue intersection and is bound by vacant land currently undergoing grading to the east, Live Oak Avenue and the City of Baldwin Park to the south, Stewart Avenue to the west, and Rivergrade Road to the north (see **Exhibit 2: Local Vicinity Map**). The Project site is comprised of 5.13 gross acres (4.86 net acres, Assessor's Parcel Number 8535-001-033), with 0.27 acres designated as street dedication.

Regional access to the Project site is provided via the Interstate 605 freeway (I-605) located approximately 0.6-mile to the west. The Interstate 210 (I-210), Interstate 10 (I-10), and State Route 39 (SR-39) freeways also provide regional access to the Project site and are approximately 1.8 miles north, 2.5 miles south, and 3.4 miles east of the Project site, respectively. Local access to the Project site is provided via Live Oak Avenue to the east and Rivergrade Road to the north.

1.2 Project Description

The Project proposes to demolish the existing 56,000-square foot industrial office building and construct a one-story concrete tilt-up warehouse building with a mezzanine totaling 102,424 square feet with associated employee parking, truck docks, and landscaping. The proposed building would include 6,000 square feet of office space in the southeastern portion of the building (3,000 square feet each on the ground floor and mezzanine), and 96,400 square feet of warehouse space on the ground floor; refer to **Exhibit 3: Site Plan**. The Project would have a floor area ratio (FAR) of 0.48. An outdoor employee break area would be located immediately south of the proposed building adjacent to the office space. The Project would be designed to comply with Leadership in Energy and Environmental Design (LEED) Gold standards. The Project would also include security measures such as security lighting, a surveillance camera system, and 24/7 security personnel. For the purpose of the environmental analysis, the Project takes credit for the existing use, a general office building. As the proposed building is a speculative warehouse with no known tenant, this analysis assumes that the new building would be 100 percent warehousing and would not include any manufacturing, cold storage, or refrigerated space. The Project proposes one electric pump for fire protection services and one emergency diesel generator was modeled for the site.[1]

[1] The emergency generator fuel type is diesel (175-300 HP), assumed for a maximum maintenance and testing of one hour a day or 50 hours per year. The proposed generator has 238 horsepower with a load factor of 0.73.

Access and Parking

The proposed building would have a main entrance/storefront on the southeastern side of the building that would lead into the office space. Eight (8) smaller entrances with stairs and handrails would be on the northern, western, and southern sides of the building, and five (5) would be on the eastern side to provide access to the truck yard and parking lots.

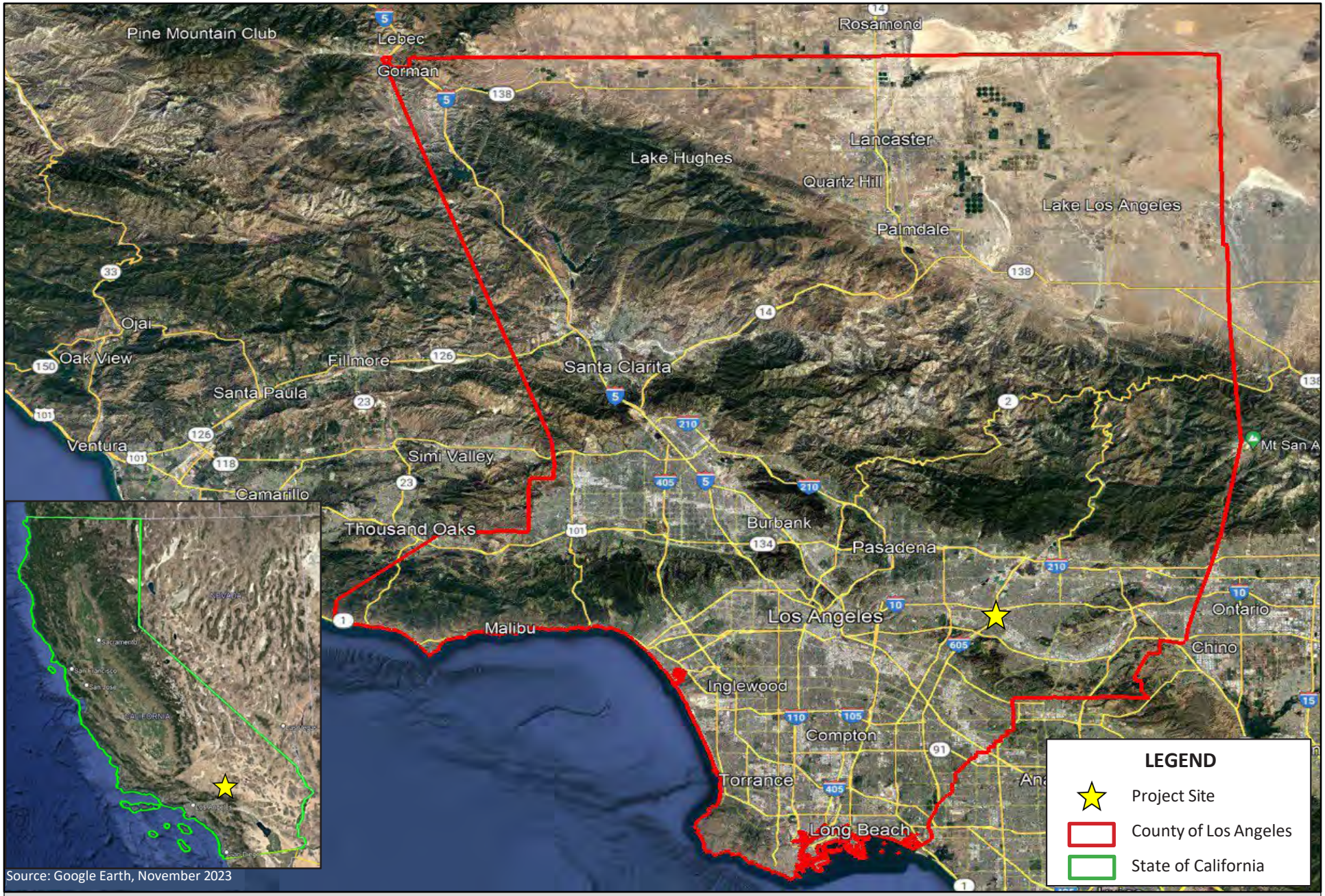
Vehicular access to the Project site would be provided via two (2) new 40-foot driveways: one (1) each off Rivergrade Road and Live Oak Avenue. The northern driveway off Rivergrade Road would provide full ingress and egress for trucking and automobiles for employees only. The southern driveway off Live Oak Avenue would provide ingress and egress only for employee/visitor vehicles and would allow right-in/right-out access only. Both driveways would connect to an internal drive aisle, which is divided by a manual tube steel swing gate on the central eastern portion of the Project site. The gate would restrict access into the truck yard and parking areas on the northeastern portion of the Project site to employees only. The internal drive aisle would also operate as a fire access lane and provide an unobstructed width of 28 feet. The Project would remove and reconstruct the existing Project site driveways in accordance with applicable engineering standards of the City of Irwindale Public Works Department.

The Project proposes to provide sixty-five (65) parking spaces throughout the parking lots, which would include fifteen (15) compact spaces on the northeastern portion of the Project site; and four (4) handicapped accessible spaces, twelve (12) electric vehicle (EV) spaces, and seven (7) EV charging station stalls on the central and southeastern portions. The Project would also provide twelve (12) dock positions and thirteen (13) trailer stalls along the northeastern Project site boundary and across from the proposed truck yard. Additionally, the Project would provide four (4) long-term and four (4) short-term bicycle spaces adjacent to the central and southeastern parking lots. The dock doors would be used for truck loading and unloading in the truck yard adjacent to the northeastern portion of the proposed building.

Pedestrian access would be provided via a new meandering concrete sidewalk along the street frontages on Rivergrade Road, Stewart Avenue, and Live Oak Avenue. The existing public sidewalk abutting the Project site would be demolished and replaced with a new sidewalk including curbs, gutters, and landscaping improvements as needed to facilitate Project site access along the Project's frontage, consistent with the City's standards. The Project would also include a 10-foot street easement dedication (totaling 0.27 acres) along Rivergrade Road, Stewart Avenue, and Live Oak Avenue. Additionally, internal walkways leading to the various entrances of the proposed building would be provided onsite and would connect to the new public sidewalk.

Construction Activities

Construction is anticipated to occur over a duration of approximately 13 months, commencing as early as September 2025. There would be approximately 12,345 tons of demolition and no anticipated import or export of soil.



Source: Google Earth, November 2023

Exhibit 1: REGIONAL VICINITY MAP

14005 Live Oak Avenue Project

NOT TO SCALE

Kimley»Horn

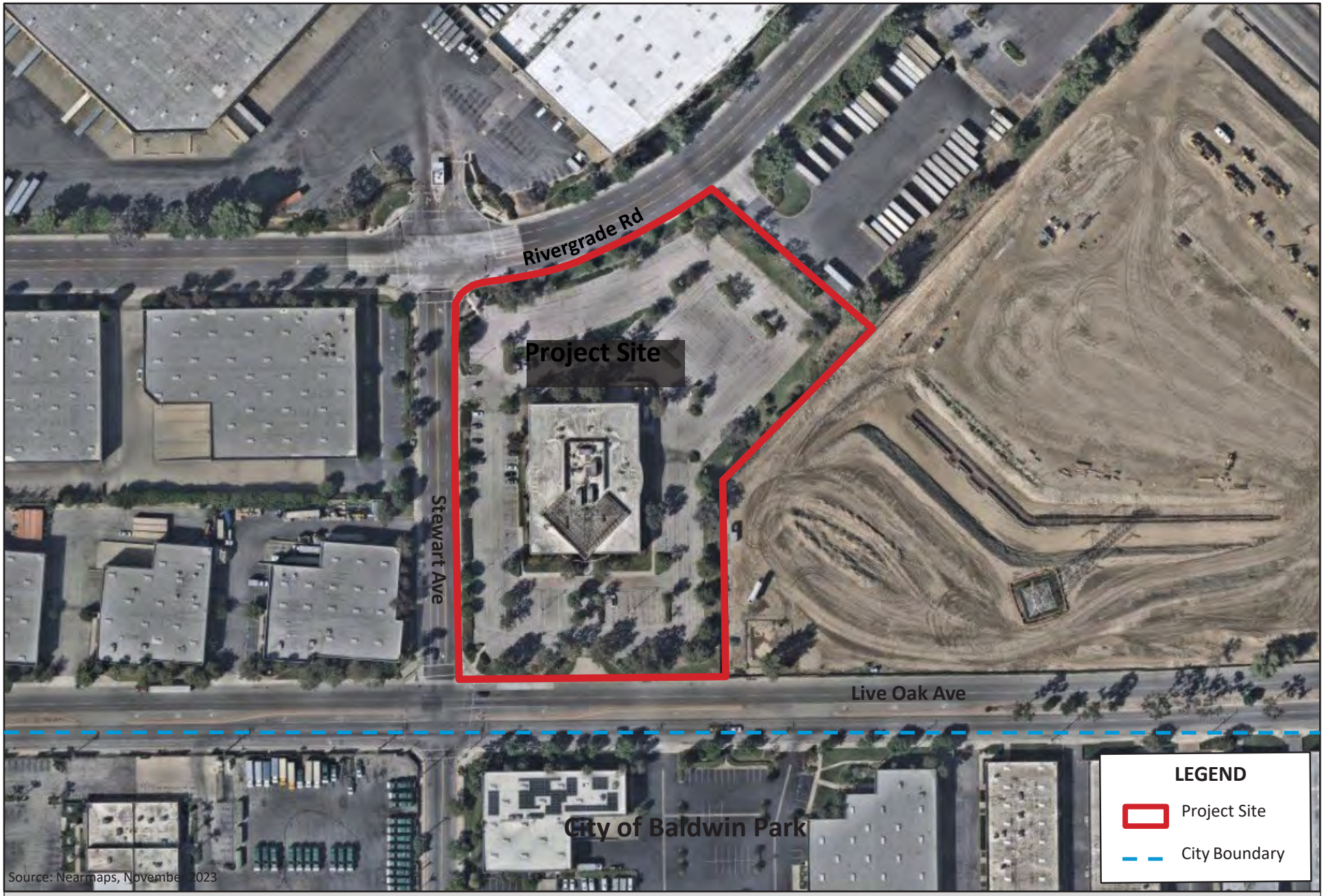
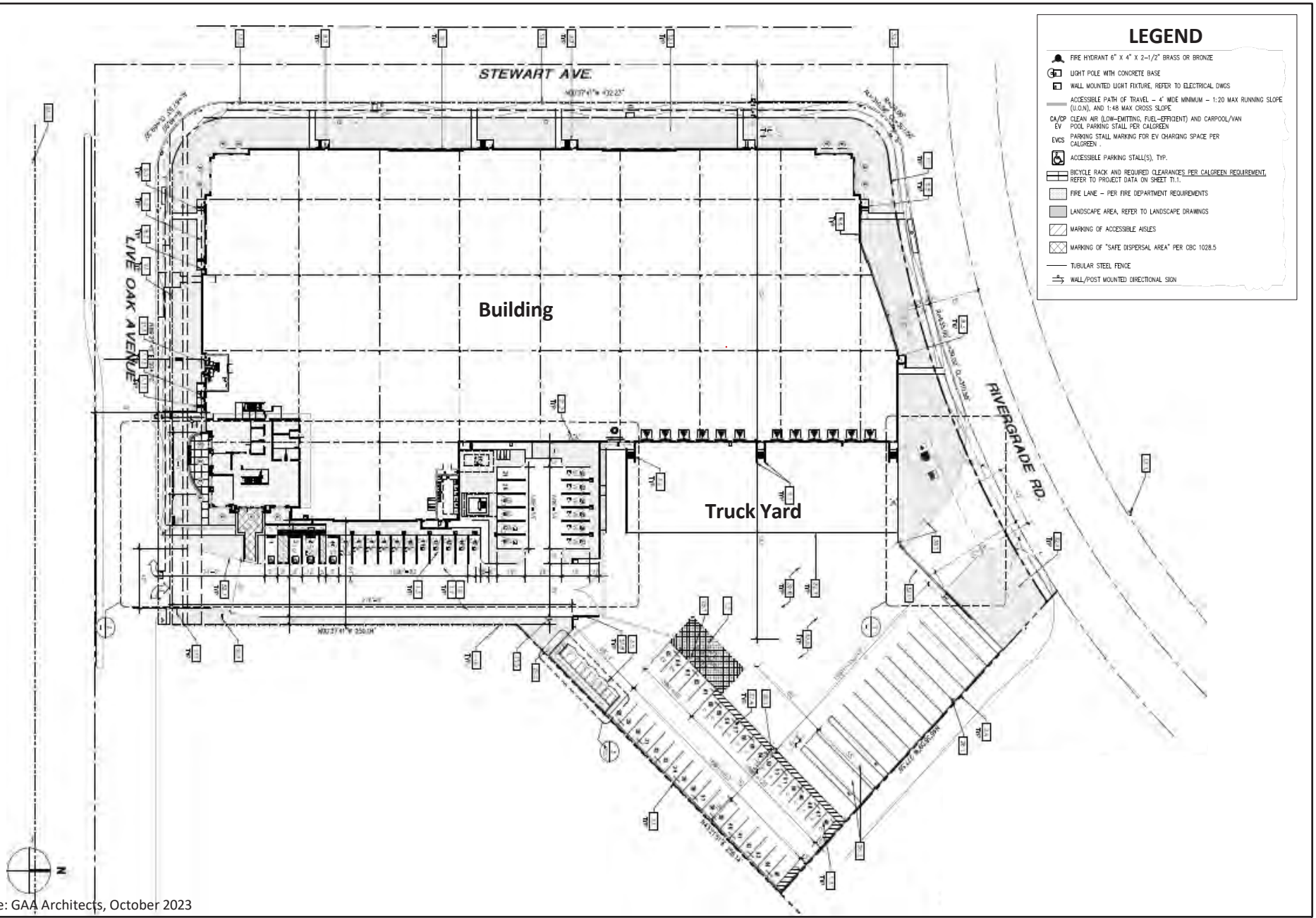


Exhibit 2: LOCAL VICINITY MAP

14005 Live Oak Avenue Project

NOT TO SCALE

Kimley»Horn



Source: GAA Architects, October 2023

Exhibit 3: SITE PLAN

14005 Live Oak Avenue Project

NOT TO SCALE

Kimley»Horn

2 ENVIRONMENTAL SETTING

2.1 Greenhouse Gases and Climate Change

Certain gases in the earth's atmosphere classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth.

The primary GHGs contributing to the greenhouse effect are carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Examples of fluorinated gases include chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3); however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of GHGs exceeding natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the Earth's climate, known as global climate change or global warming.

GHGs are global pollutants, unlike criteria air pollutants and toxic air contaminants (TACs), which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of a GHG molecule is dependent on multiple variables and cannot be pinpointed, more CO_2 is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, or other forms of carbon sequestration. Of the total annual human-caused CO_2 emissions, approximately 55 percent is sequestered through ocean and land uptakes every year, averaged over the last 50 years, whereas the remaining 45 percent of human-caused CO_2 emissions remains stored in the atmosphere.[2] **Table 1: Description of Greenhouse Gases** describes the primary GHGs attributed to global climate change, including their physical properties.

[2] Intergovernmental Panel on Climate Change, *Carbon and Other Biogeochemical Cycles. In: Climate Change 2013: The Physical Science Basis*, *Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2013. http://www.climatechange2013.org/ images/report/WG1AR5_ALL_FINAL.pdf.

Table 1: Description of Greenhouse Gases

Greenhouse Gas	Description
Carbon Dioxide (CO_2)	CO_2 is a colorless, odorless gas that is emitted naturally and through human activities. Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood. The largest source of CO_2 emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, and industrial facilities. The atmospheric lifetime of CO_2 is variable because it is readily exchanged in the atmosphere. CO_2 is the most widely emitted GHG and is the reference gas (Global Warming Potential of 1) for determining Global Warming Potentials for other GHGs.
Nitrous Oxide (N_2O)	N_2O is largely attributable to agricultural practices and soil management. Primary human-related sources of N_2O include agricultural soil management, sewage treatment, combustion of fossil fuels, and adipic and nitric acid production. N_2O is produced from biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N_2O is approximately 120 years. The Global Warming Potential of N_2O is 298.
Methane (CH_4)	CH_4, a highly potent GHG, primarily results from off-gassing (the release of chemicals from nonmetallic substances under ambient or greater pressure conditions) and is largely associated with agricultural practices and landfills. Methane is the major component of natural gas, about 87 percent by volume. Human-related sources include fossil fuel production, animal husbandry, rice cultivation, biomass burning, and waste management. Natural sources of CH_4 include wetlands, gas hydrates, termites, oceans, freshwater bodies, non-wetland soils, and wildfires. The atmospheric lifetime of CH_4 is about 12 years and the Global Warming Potential is 25.
Hydrofluorocarbons (HFCs)	HFCs are typically used as refrigerants for both stationary refrigeration and mobile air conditioning. The use of HFCs for cooling and foam blowing is increasing, as the continued phase out of CFCs and HCFCs gains momentum. The 100-year Global Warming Potential of HFCs range from 124 for HFC-152 to 14,800 for HFC-23.
Perfluorocarbons (PFCs)	PFCs have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above Earth's surface. Because of this, they have long lifetimes, between 10,000 and 50,000 years. Two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Global Warming Potentials range from 6,500 to 9,200.
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane with chlorine and/or fluorine atoms. They are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. The Montreal Protocol on Substances that Deplete the Ozone Layer prohibited their production in 1987. Global Warming Potentials for CFCs range from 3,800 to 14,400.
Sulfur Hexafluoride (SF_6)	SF_6 is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas. The Global Warming Potential of SF_6 is 23,900.
Hydrochlorofluorocarbons (HCFCs)	HCFCs are solvents, similar in use and chemical composition to CFCs. The main uses of HCFCs are for refrigerant products and air conditioning systems. As part of the Montreal Protocol, HCFCs are subject to a consumption cap and gradual phase out. The United States is scheduled to achieve a 100 percent reduction to the cap by 2030. The 100-year Global Warming Potentials of HCFCs range from 90 for HCFC-123 to 1,800 for HCFC-142b.
Nitrogen Trifluoride (NF_3)	NF_3 was added to Health and Safety Code section 38505(g)(7) as a GHG of concern. This gas is used in electronics manufacture for semiconductors and liquid crystal displays. It has a high global warming potential of 17,200.

Source: Compiled from U.S. EPA, *Overview of Greenhouse Gases*, (https://www.epa.gov/ghgemissions/overview-greenhouse-gases), 2018; U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*, 2018; Intergovernmental Panel on Climate Change, *Climate Change 2007: The Physical Science Basis*, 2007; National Research Council, Advancing the Science of Climate Change, 2010; U.S. EPA, *Methane and Nitrous Oxide Emission from Natural Sources*, April 2010.

3 REGULATORY SETTING

3.1 Federal

To date, national standards have not been established for nationwide GHG reduction targets, nor have any regulations or legislation been enacted specifically to address climate change and GHG emissions reduction at the Project level. Various efforts have been promulgated at the federal level to improve fuel economy and energy efficiency to address climate change and its associated effects.

Clean Air Act

In April 2007, in Massachusetts v. EPA, the U.S. Supreme Court directed the Administrator of the U.S. Environmental Protection Agency (U.S. EPA) to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In making these decisions, the U.S. EPA Administrator was directed to follow the language of Section 202(a) of the Federal Clean Air Act (FCAA). In December 2009, the Administrator signed a final rule with two distinct findings regarding GHGs under Section 202(a) of the FCAA:

- Elevated concentrations of GHGs—CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6—in the atmosphere threaten the public health and welfare of current and future generations. This is referred to as the "endangerment finding."
- The combined emissions of GHGs— CO_2, CH_4, N_2O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is referred to as the "cause or contribute finding."

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

Energy Independence and Security Act of 2007

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

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

Additional provisions of the Energy Independence and Security Act (EISA) address energy savings in government and public institutions, promote research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green jobs."

Federal Vehicle Standards

In response to the U.S. Supreme Court ruling discussed above, Executive Order 13432 was issued in 2007 directing the U.S. EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the U.S. EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, an Executive Memorandum was issued directing the Department of Transportation, Department of Energy, U.S. EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the U.S. EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO_2 in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021, and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking. On January 12, 2017, the U.S. EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks.

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the U.S. EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the U.S. EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baselines.[3]

In August 2016, the U.S. EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion metric tons and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program.

On September 27, 2019, the U.S. EPA and the NHTSA published the "Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program." (84 Fed. Reg. 51,310 (Sept. 27, 2019.)[4] The SAFE Rule (Part One) revoked California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the U.S. EPA and NHTSA finalized rulemaking for SAFE Part Two sets CO2 emissions standards and corporate average fuel economy (CAFE) standards for

[3] U.S. EPA and NHTSA, Greenhouse Gas Emissions and Fuel Efficiency Standards for Medium and Heavy-Duty Engines and Vehicles – Phase 2, 2016. Available at: https://www.gpo.gov/fdsys/pkg/FR-2016-10-25/pdf/2016-21203.pdf. Accessed: March 2024.

[4] U.S. EPA and NHTSA, Federal Register, Vol. 84, No. 188, The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program, September 27, 2019. Available at: https://www.govinfo.gov/content/pkg/FR-2019-09-27/pdf/2019-20672.pdf. Accessed: March 2024.

passenger vehicles and light duty trucks, covering model years 2021-2026. The current U.S. EPA administration repealed SAFE Rule Part One, effective January 28, 2022, and is reconsidering Part Two.

In December 2021, the U.S. EPA finalized federal GHG emissions standards for passenger cars and light trucks for Model Years 2023 through 2026. These standards are the strongest vehicle emissions standards ever established for the light-duty vehicle sector and are based on sound science and grounded in a rigorous assessment of current and future technologies. The updated standards will result in avoiding more than three billion tons of GHG emissions through 2050.[5]

3.2 State of California

California Air Resources Board

The California Air Resources Board (CARB) is responsible for the coordination and oversight of State and local air pollution control programs in California. Various statewide and local initiatives to reduce California's contribution to GHG emissions have raised awareness about climate change and its potential for severe long-term adverse environmental, social, and economic effects. California is a significant emitter of carbon dioxide equivalent (CO_2e) in the world and produced 369 million gross metric tons (MMT) of CO_2e in 2020.[6] The transportation sector is the State's largest emitter of GHGs, followed by industrial operations such as manufacturing and oil and gas extraction.

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation, such as the landmark AB 32 California Global Warming Solutions Act of 2006, was specifically enacted to address GHG emissions. Other legislation, such as Title 24 building efficiency standards and Title 20 appliance energy standards, were originally adopted for other purposes such as energy and water conservation, but also provide GHG reductions. This section describes the major legislation related to GHG emissions reduction.

Assembly Bill 32 (California Global Warming Solutions Act of 2006)

AB 32 instructs the CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions. AB 32 also directed CARB to set a GHG emissions limit based on 1990 levels, to be achieved by 2020. It set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner.

CARB Scoping Plan

Adopted December 15, 2022, CARB's 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan) sets a path to achieve targets for carbon neutrality and reduce anthropogenic GHG emissions by 85 percent below 1990 levels by 2045 in accordance with AB 1279. To achieve the targets of AB 1279, the 2022 Scoping Plan relies on existing and emerging fossil fuel alternatives and clean technologies, as well as carbon capture and storage. Specifically, the 2022 Scoping Plan focuses on zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and

[5] U.S. EPA, *Final Rule to Revise Existing National GHG Emissions Standards for Passenger Cars and Light Trucks Through Model Year 2026,* 2021. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-revise-existing-national-ghg-emissions. Accessed: March 2024.

[6] California Air Resources Board, Current California GHG Emissions Inventory Data, 2000-2020 GHG inventory (2022 Edition), https://ww2.arb.ca.gov/ghg-inventory-data, Accessed: March 2024.

refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines); and scaling up new options such as green hydrogen.

The key elements of the 2022 CARB Scoping Plan focus on transportation. Specifically, the 2022 Scoping Plan aims to rapidly move towards zero-emission transportation (i.e., electrifying cars, buses, trains, and trucks), which constitutes California's single largest source of GHGs. The regulations that impact the transportation sector are adopted and enforced by CARB on vehicle manufacturers and are outside the jurisdiction and control of local governments. The 2022 Scoping Plan accelerates development of new regulations as well as amendments to strengthen regulations and programs already in place.

Included in the 2022 Scoping Plan is a set of Local Actions (2022 Scoping Plan Appendix D) aimed at providing local jurisdictions with recommendations to reduce GHGs and assist the state in meeting the ambitious targets set forth in the 2022 Scoping Plan. Appendix D to the 2022 Scoping Plan is not regulatory, is not exhaustive, and does not include everything local governments can implement to support the State's climate goals. It focuses primarily on climate action plans (CAPs) and local authority over new residential development. It includes a section on evaluating plan-level and project-level alignment with the State's Climate Goals in CEQA GHG analyses. In this section, CARB identifies several recommendations and strategies that should be considered for new development in order to determine consistency with the 2022 Scoping Plan. CARB specifically states that Section 3 of Appendix D, which discusses land use plans and development projects, does not address land uses other than residential and mixed-use residential such as industrial. However, CARB plans to explore new approaches for other land use types in the future.

CARB Advanced Clean Truck Regulation

CARB adopted the Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission "last-mile" delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components including a manufacturer sales requirement, and a reporting requirement:

- Zero-Emission Truck Sales: Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight truck sales, and 40 percent of truck tractor sales.
- Company and Fleet Reporting: Large employers including retailers, manufacturers, brokers and others would be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, would be required to report about their existing fleet operations. This information would help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

Senate Bill 32 (California Global Warming Solutions Act of 2006: Emissions Limit)

Signed into law in September 2016, SB 32 codifies the 2030 GHG reduction target in Executive Order B-30-15 (40 percent below 1990 levels by 2030). The bill authorizes CARB to adopt an interim GHG emissions level target to be achieved by 2030. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.

With SB 32, the Legislature passed companion legislation, AB 197, which provides additional direction for developing the Scoping Plan. On December 14, 2017, CARB adopted a second update to the Scoping Plan (CARB, 2017b). The 2017 Scoping Plan details how the State will reduce GHG emissions to meet the 2030 target set by Executive Order B-30-15 and codified by SB 32. Other objectives listed in the 2017 Scoping Plan are to provide direct GHG emissions reductions; support climate investment in disadvantaged communities; and support the Clean Power Plan and other Federal actions. In 2022, CARB published the 2022 Scoping Plan, which is discussed above.

SB 375 (The Sustainable Communities and Climate Protection Act of 2008)

Signed into law on September 30, 2008, SB 375 provides a process to coordinate land use planning, regional transportation plans (RTP), and funding priorities to help California meet the GHG reduction goals established by AB 32. SB 375 requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for reducing GHG emissions, aligns planning for transportation and housing, and creates specified incentives for the implementation of the strategies.

AB 1493 (Pavley Regulations and Fuel Efficiency Standards)

AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the regulation was delayed by lawsuits filed by automakers and by the U.S. EPA's denial of an implementation waiver. The U.S. EPA subsequently granted the requested waiver in 2009, which was upheld by the by the U.S. District Court for the District of Columbia in 2011. The regulations establish one set of emission standards passenger vehicle and light duty truck model years 2009–2016 and a second set of emissions standards for model years 2017 to 2025. By 2025, when all rules will be fully implemented, new automobiles will emit 34 percent fewer CO_2e emissions and 75 percent fewer smog-forming emissions.

SB 1368 (Emission Performance Standards)

SB 1368 is the companion bill of AB 32, which directs the California Public Utilities Commission (CPUC) to adopt a performance standard for GHG emissions for the future power purchases of California utilities. SB 1368 limits carbon emissions associated with electrical energy consumed in California by forbidding procurement arrangements for energy longer than 5 years from resources that exceed the emissions of a relatively clean, combined cycle natural gas power plant. The new law effectively prevents California's utilities from investing in, otherwise financially supporting, or purchasing power from new coal plants located in or out of the State. The CPUC adopted the regulations required by SB 1368 on August 29, 2007. The regulations implementing SB 1368 establish a standard for baseload generation owned by, or under long-term contract to publicly owned utilities, for 1,100 pounds of CO_2 per megawatt-hour.

SB 1078, SB 107, and SBX1-2 (Renewable Electricity Standards)

SB 1078 (2002) requires California to generate 20 percent of its electricity from renewable energy by 2017. SB 107 (2006) changed the due date to 2010 instead of 2017. On November 17, 2008, Executive Order S-14-08 established a Renewable Portfolio Standard target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. Executive Order S-21-09 also directed CARB to adopt a regulation by July 31, 2010, requiring the State's load serving entities to meet a 33 percent renewable energy target by 2020. CARB approved the Renewable Electricity Standard on September 23, 2010, by Resolution 10-23. SBX1-2, which codified the 33 percent by 2020 goal.

SB 350 (Clean Energy and Pollution Reduction Act of 2015)

Signed into law on October 7, 2015, SB 350 implements the goals of Executive Order B-30-15. The objectives of SB 350 are to increase the procurement of electricity from renewable sources from 33 percent to 50 percent (with interim targets of 40 percent by 2024, and 25 percent by 2027) and to double the energy efficiency savings in electricity and natural gas end uses of retail customers through energy efficiency and conservation. SB 350 also reorganizes the Independent System Operator to develop more regional electricity transmission markets and improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.

AB 398 (Market-Based Compliance Mechanisms)

The Cap-and-Trade program covers approximately 80 percent of California's GHG emissions[7]. The statewide cap for GHG emissions from the capped sectors (i.e., electricity generation, industrial sources, petroleum refining, and cement production) commenced in 2013 and would decline approximately three percent each year, achieving GHG emission reductions throughout the program's duration. Signed on July 25, 2017, AB 398 extended the duration of the Cap-and-Trade program from 2020 to 2030. AB 398 required CARB to update the Scoping Plan and for all GHG rules and regulations adopted by the State. It also designated CARB as the statewide regulatory body responsible for ensuring that California meets its statewide carbon pollution reduction targets, while retaining local air districts' responsibility and authority to curb toxic air TACs and criteria pollutants from local sources that severely impact public health. AB 398 also decreased free carbon allowances over 40 percent by 2030 and prioritized Cap-and-Trade spending to various programs including reducing diesel emissions in impacted communities.

SB 150 (Regional Transportation Plans)

Signed on October 10, 2017, SB 150 aligns local and regional GHG reduction targets with State targets (i.e., 40 percent below their 1990 levels by 2030). SB 150 creates a process to include communities in discussions on how to monitor their regions' progress on meeting these goals. The bill also requires the CARB to regularly report on that progress, as well as on the successes and the challenges regions experience associated with achieving their targets. SB 150 provides for accounting of climate change efforts and GHG reductions and identify effective reduction strategies.

[7] California Air Resources Board, *Cap-and-Trade Program*, https://ww2.arb.ca.gov/our-work/programs/cap-and-tradeprogram/about, Accessed March 2024.

SB 100 and SB 1020 (California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases)

Signed into law in September 2018, SB 100 increased California's renewable electricity portfolio from 50 to 60 percent by 2030. SB 100 also established a further goal to have an electric grid that is entirely powered by clean energy by 2045. SB 1020 provides additional goals for the path to the 2045 goal of 100 percent clean electricity retail sales. It creates a target of 90 percent clean electricity retail sales by 2035 and 95 percent clean electricity retail sales by 2040.

AB 1346 (Air Pollution: Small Off-Road Engines)

Signed into law in October 2021, AB 1346 requires CARB, to adopt cost-effective and technologically feasible regulations to prohibit engine exhaust and evaporative emissions from new small off-road engines, consistent with federal law, by July 1, 2022. The bill requires CARB to identify and, to the extent feasible, make available funding for commercial rebates or similar incentive funding as part of any updates to existing applicable funding program guidelines to local air pollution control districts and air quality management districts to implement to support the transition to zero-emission small off-road equipment operations.

AB 1279 (The California Climate Crisis Act)

AB 1279 establishes the policy of the State to achieve carbon neutrality as soon as possible, but no later than 2045; to maintain net negative GHG emissions thereafter; and to ensure that by 2045 statewide anthropogenic GHG emissions are reduced at least 85 percent below 1990 levels. The bill requires CARB to ensure that Scoping Plan updates identify and recommend measures to achieve carbon neutrality, and to identify and implement policies and strategies that enable CO_2 removal solutions and carbon capture, utilization, and storage technologies.

Executive Orders Related to GHG Emissions

California's Executive Branch has taken several actions to reduce GHGs using executive orders. Although not regulatory, they set the tone for the State and guide the actions of state agencies.

Executive Order S-3-05. Executive Order S-3-05 was issued on June 1, 2005, which established the following GHG emissions reduction targets:

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

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

Executive Order S-01-07. Issued on January 18, 2007, Executive Order S 01-07 mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020. The executive order established a Low Carbon Fuel Standard (LCFS) and directed the

Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, CARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. CARB adopted the LCFS on April 23, 2009.

Executive Order S-13-08. Issued on November 14, 2008, Executive Order S-13-08 facilitated the California Natural Resources Agency development of the 2009 California Climate Adaptation Strategy. Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order S-14-08. Issued on November 17, 2008, Executive Order S-14-08 expands the State's Renewable Energy Standard to 33 percent renewable power by 2020. Additionally, Executive Order S-21-09 (signed on September 15, 2009) directs CARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. CARB adopted the Renewable Electricity Standard on September 23, 2010, which requires 33 percent renewable energy by 2020 for most publicly owned electricity retailers.

Executive Order S-21-09. Issued on July 17, 2009, Executive Order S-21-09 directs CARB to adopt regulations to increase California's RPS to 33 percent by 2020. This builds upon SB 1078 (2002), which established the California RPS program, requiring 20 percent renewable energy by 2017, and SB 107 (2006), which advanced the 20 percent deadline to 2010, a goal which was expanded to 33 percent by 2020 in the 2005 Energy Action Plan II.

Executive Order B-30-15. Issued on April 29, 2015, Executive Order B-30-15 established a California GHG reduction target of 40 percent below 1990 levels by 2030 and directs CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of CO_2e ($MMTCO_2e$). The 2030 target acts as an interim goal on the way to achieving reductions of 80 percent below 1990 levels by 2050, a goal set by Executive Order S-3-05. The executive order also requires the State's climate adaptation plan to be updated every three years and for the State to continue its climate change research program, among other provisions. With the enactment of SB 32 in 2016, the Legislature codified the goal of reducing GHG emissions by 2030 to 40 percent below 1990 levels.

Executive Order B-55-18. Issued on September 10, 2018, Executive Order B-55-18 establishes a goal to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. This goal is in addition to the existing statewide targets of reducing GHG emissions. The executive order requires CARB to work with relevant state agencies to develop a framework for implementing this goal. It also requires CARB to update the Scoping Plan to identify and recommend measures to achieve carbon neutrality. The executive order also requires state agencies to develop sequestration targets in the Natural and Working Lands Climate Change Implementation Plan.

Executive Order N-79-20. Issued on September 23, 2020, Executive Order N-79-20 established a goal to end the sales of new internal combustion engine vehicles in the state as soon as possible, and no later than 2035, and continue to phaseout fossil-fueled cars and trucks. By setting a course to end sales of internal combustion passenger vehicles by 2035, the Governor's Executive Order establishes a target for the transportation sector that helps put the state on a path to carbon neutrality by 2045. It is important to note that the Executive Order focuses on new vehicle sales for automakers, and therefore does not require Californians to give up the existing cars and trucks they already own.

California Regulations and Building Codes

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat even with rapid population growth.

Title 20 Appliance Efficiency Regulations. The appliance efficiency regulations (California Code of Regulations [CCR] Title 20, Sections 1601-1608) include standards for new appliances. Twenty-three categories of appliances are included in the scope of these regulations. These standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances.

Title 24 Building Energy Efficiency Standards. California's Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR Title 24, Part 6) was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The California Energy Commission (CEC) adopted the 2022 Energy Code on August 11, 2021, which was subsequently approved by the California Building Standards Commission for inclusion into the California Building Standards Code. The 2022 Title 24 standards will result in less energy use, thereby reducing air pollutant emissions associated with energy consumption across California. For example, the 2022 Title 24 standards will require efficient electric heat pumps, establishes electric-ready requirements for new homes, expands solar photovoltaic and battery storage standards, and strengthens ventilation standards.

Title 24 California Green Building Standards Code. The California Green Building Standards Code (CCR Title 24, Part 11 code) commonly referred to as CALGreen, is a statewide mandatory construction code developed and adopted by the California Building Standards Commission and the Department of Housing and Community Development. The CALGreen standards require new residential and nonresidential buildings to comply with mandatory measures under the topics of planning and design, energy efficiency, water efficiency/conservation, material conservation and resource efficiency, and environmental quality. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics. The latest CALGreen Code took effect on January 1, 2023 (2022 CALGreen). The 2022 CALGreen standards has improved upon the 2019 standards for new construction of, and additions and alterations to, residential and nonresidential buildings.

California Vehicles Regulations

Advanced Clean Cars I and II. Advanced Clean Cars combines several regulations into one package including the Low-Emission Vehicle (LEV) criteria and greenhouse gas regulations and the zero-emission vehicle (ZEV) regulation. Advanced Clean Cars I was adopted in 2012 and Advanced Clean Cars II was adopted in 2022. These regulations rapidly scale down emissions of light-duty passenger cars, pickup trucks and SUVs and require an increased number of zero-emission vehicles to meet air quality and climate change emissions goals. By 2035 all new passenger cars, trucks and SUVs sold in California will be zero emissions. The Advanced Clean Cars II regulations take the State's already growing zero-emission vehicle market and robust motor vehicle emission control rules and augments them to meet more aggressive tailpipe emissions standards and ramp up to 100% zero-emission vehicles.

CARB Advanced Clean Fleets Regulation. CARB approved Advanced Clean Fleets Regulation (ACF) on April 28, 2023, requires fleet owners to begin transitioning toward ZEVs starting in 2024. Due to the impact that truck traffic has on residents living near heavily trafficked corridors, drayage trucks will need to be zero emissions by 2035. All other fleet owners have the option to transition a percentage of their vehicles to meet expected zero-emission milestones, which gives owners the flexibility to continue operating combustion-powered vehicles as needed during the move toward cleaner technology.

3.3 Regional

South Coast Air Quality Management District Rule 2305 (Warehouse Indirect Source Rule)

Rule 2305 was adopted by the South Coast Air Quality Management District (SCAQMD) Governing Board on May 7, 2021 to reduce NO_X and particulate matter emissions associated with warehouses and mobile sources attracted to warehouses. However, Rule 2305 would also reduce GHG emissions. This rule applies to all existing and proposed warehouses over 100,000 square feet located in the SCAQMD. Rule 2305 requires warehouse operators to track annual vehicle miles traveled associated with truck trips to and from the warehouse. These trip miles are used to calculate the warehouses WAIRE (Warehouse Actions and Investments to Reduce Emissions) Points Compliance Obligation. WAIRE Points are earned based on emission reduction measures and warehouse operators are required to submit an annual WAIRE Report which includes truck trip data and emission reduction measures. Reduction strategies listed in the WAIRE menu include acquire zero emission (ZE) or near zero emission (NZE) trucks; require ZE/NZE truck visits; require ZE yard trucks; install on-site ZE charging/fueling infrastructure; install onsite energy systems; and install filtration systems in residences, schools, and other buildings in the adjacent community. Warehouse operators that do not earn a sufficient number of WAIRE points to satisfy the WAIRE Points Compliance Obligation would be required to pay a mitigation fee. Funds from the mitigation fee will be used to incentivize the purchase of cleaner trucks and charging/fueling infrastructure in communities nearby.

South Coast Air Quality Management District Thresholds

The SCAQMD formed a GHG California Environmental Quality Act (CEQA) Significance Threshold Working Group to provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents. As of the last Working Group meeting (Meeting #15) held in September 2010, the SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency.

With the tiered approach, the Project is compared with the requirements of each tier sequentially and would not result in a significant impact if it complies with any tier. Tier 1 excludes projects that are specifically exempt from SB 97 from resulting in a significant impact. Tier 2 excludes projects that are consistent with a GHG reduction plan that has a certified final CEQA document and complies with AB 32 GHG reduction goals. Tier 3 excludes projects with annual emissions lower than a screening threshold. The SCAQMD has adopted a threshold of 10,000 metric tons of CO_2e ($MTCO_2e$) per year for industrial projects and a 3,000 $MTCO_2e$ threshold was proposed for non-industrial projects but has not been adopted. During Working Group Meeting #7 it was explained that this threshold was derived using a 90 percent capture rate of a large sampling of industrial facilities. During Meeting #8, the Working Group defined industrial uses as production, manufacturing, and fabrication activities or storage and distribution (e.g., warehouse, transfer facility, etc.). The Working Group indicated that the 10,000 $MTCO_2e$ per year threshold applies to both emissions from construction and operational phases plus indirect emissions

(electricity, water use, etc.). The SCAQMD concluded that projects with emissions less than the screening threshold would not result in a significant cumulative impact.

Southern California Association of Governments

On September 3, 2020, Southern California Association of Governments' (SCAG's) Regional Council adopted *Connect SoCal (2020 - 2045 Regional Transportation Plan/Sustainable Communities Strategy* [2020 RTP/SCS]). The RTP/SCS charts a course for closely integrating land use and transportation so that the region can grow smartly and sustainably. The strategy was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. The RTP/SCS is a long-range vision plan that balances future mobility and housing needs with economic, environmental, and public health goals. The SCAG region strives toward sustainability through integrated land use and transportation planning. The SCAG region must achieve specific federal air quality standards and is required by state law to lower regional GHG emissions.

3.4 Local

City of Irwindale General Plan

The *City of Irwindale General Plan* (General Plan) is a long-range planning document that provides the City a framework for action and the direction in which to focus that action. The following policies focusing on GHG reduction are applicable to the proposed Project:

Policy 11: The City of Irwindale supports the ethic of conservation of non-renewable resources. This includes efforts to reduce the use of energy (in any form), greenhouse gas (GHG) emissions (consistent with AB 32) and efforts to find new and more energy efficient methods for delivering services. The City supports the development of building standards that enable the community to design energy saving features such as solar energy systems, water efficient landscaping, and sustainable, green, and energy efficient building standards.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 Thresholds and Significance Criteria

Addressing GHG emissions generation impacts requires an agency to determine what constitutes a significant impact. The amendments to the CEQA Guidelines specifically allow lead agencies to determine thresholds of significance that illustrate the extent of an impact and are a basis from which to apply mitigation measures. This means that each agency is left to determine whether a project's GHG emissions will have a "significant" impact on the environment. The guidelines direct that agencies are to use "careful judgment" and "make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" the project's GHG emissions.[8]

Based upon the criteria derived from Appendix G of the CEQA Guidelines, a project normally would have a significant effect on the environment if it would:

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, based on any applicable threshold of significance; or
- Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs.

South Coast Air Quality Management District Thresholds

On December 5, 2008, the SCAQMD Governing Board adopted a 10,000 $MTCO_2e$ industrial threshold for projects where the SCAQMD is lead agency. During the GHG CEQA Significance Threshold Working Group Meeting #15, the SCAQMD noted that it was considering extending the industrial GHG significance threshold for use by all lead agencies. This working group was formed to assist SCAQMD's efforts to develop a GHG significance threshold and is composed of a wide variety of stakeholders including the State Office of Planning and Research, CARB, the Attorney General's Office, a variety of city and county planning departments in the SCAB, various utilities such as sanitation and power companies throughout the SCAB, industry groups, and environmental and professional organizations. However, the SCAQMD has not announced when staff is expecting to present GHG thresholds for land use projects where the SCAQMD is not the lead agency to the governing board. During Meeting #8, the Working Group defined industrial uses as production, manufacturing, and fabrication activities or storage and distribution (e.g., warehouse, transfer facility, etc.). Additionally, the SCAQMD GHG Significance Threshold Stakeholder Working Group has specified that a warehouse is considered to be an industrial project.[9] Furthermore, the Working Group indicated that the 10,000 $MTCO_2e$ per year threshold applies to both emissions from construction and operational phases plus indirect emissions (electricity, water use, etc.).

The screening threshold for industrial projects is 10,000 $MTCO_2e$ per year, this analysis utilizes this screening threshold as the Project GHG threshold.

[8] 14 California Code of Regulations, Section 15064.4a
[9] South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #8*, 2009.

4.2 Methodology

The Project's construction and operational emissions were calculated using the California Emissions Estimator Model version 2022.1.1.21 (CalEEMod). Details of the modeling assumptions and emission factors are provided in **Appendix A: Greenhouse Gas Emissions Data**. For construction, CalEEMod calculates emissions from off-road equipment usage and on-road vehicle travel associated with haul, delivery, and construction worker trips. GHG emissions during construction were forecasted based on the proposed construction schedule and applying the mobile-source and fugitive dust emissions factors derived from CalEEMod. The Project's construction-related GHG emissions would be generated from off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. The Project's operational-related GHG emissions would be generated by vehicular traffic, area sources (e.g., landscaping maintenance and consumer products), electrical generation, natural gas consumption, water supply and wastewater treatment, yard trucks, generators, and solid waste.

5 POTENTIAL GREENHOUSE GAS IMPACTS AND MITIGATION

5.1 Greenhouse Gas Emissions

Threshold 5.1 Would the Project generate GHG emissions, either directly or indirectly, that could have a significant impact on the environment?

Short-Term Construction Greenhouse Gas Emissions

The Project would result in direct emissions of GHGs from construction. The approximate quantity of annual GHG emissions generated by construction equipment utilized to build the Project is depicted in **Table 2: Construction-Related Greenhouse Gas Emissions.**

Table 2: Construction-Related Greenhouse Gas Emissions

Category	**$MTCO_2e$**
Construction (2025)	334
Construction (2026)	312
Total Construction Emissions	**646**
30-Year Amortized Construction	*22*

Source: CalEEMod version 2022.1.1.21. Refer to **Appendix A** for model outputs.

As shown, the Project would result in the generation of approximately 646 $MTCO_2e$ over the course of construction. Construction GHG emissions are typically summed and amortized over a 30-year period, then added to the operational emissions.[10] The amortized Project construction emissions would be 22 $MTCO_2e$ per year. Once construction is complete, the generation of these GHG emissions would cease.

Long-Term Operational Greenhouse Gas Emissions

Operational or long-term emissions occur over the life of the Project. GHG emissions would result from direct emissions such as Project generated vehicular traffic, on-site combustion of natural gas, and operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power, the energy required to convey water to, and wastewater from the Project, the emissions associated with solid waste generated from the Project, and any fugitive refrigerants from air conditioning or refrigerators.

Total GHG emissions associated with the existing source and the Project are summarized in **Table 3: Project Greenhouse Gas Emissions: Existing and Buildout**. As shown in **Table 3**, the Project would generate approximately 1,343 $MTCO_2e$ annually from both construction and operations. The existing source would generate approximately 1,187 $MTCO_2e$ annually from operations.

[10] The 30-year amortization period is based on the standard assumption of the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13,* August 26, 2009).

Table 3: Project Greenhouse Gas Emissions: Existing and Buildout	
Emissions Source	**$MTCO_2e$ per Year[1]**
Construction Amortized Over 30 Years	22
Existing (2024)	
Area Source	1
Energy	234
Mobile	911
Waste	16
Water and Wastewater	24
Total Existing Emissions	**1,187**
Buildout (2026)	
Area Source	2
Energy	199
Mobile	540
Off-Road – Yard Trucks	473
Emergency Generator	20
Waste	30
Water and Wastewater	58
Total Project Emissions	**1,344**
Net Emissions	
Existing Project Site	1,187
Proposed Project	1,344
Net Change	**157**
Threshold	*10,000*
Exceeds Threshold?	**No**
Total values are from CalEEMod and may not add up due to rounding.	
Source: CalEEMod version 2022.1.1.21. Refer to **Appendix A** for model outputs.	

Below is a description of the primary sources of operational emissions:

- **Area Sources**. Area source emissions occur from architectural coatings, landscaping equipment, and consumer products. Landscaping is anticipated to occur throughout the Project site. Additionally, the primary emissions from architectural coatings are volatile organic compounds, which are relatively insignificant as direct GHG emissions. The Project would result in 2 $MTCO_2e$ per year (refer to **Table 3).**

- **Energy Consumption**. Energy consumption consists of emissions from Project consumption of electricity and natural gas. The Project would result in 199 $MTCO_2e$ per year from energy consumption (refer to **Table 3).**
- **Mobile Sources**. Mobile sources from the Project were calculated with CalEEMod based on the trip generation from the *Live Oak Irwindale Traffic Impact Analysis* prepared by Environment Planning Development Solutions, Inc. (dated August 2023). Based on the Traffic Scoping Agreement, the Project would generate 174 daily trips, including 48 truck trips comprised of eight 2-Axle trucks, ten 3-Axle trucks, and thirty 4+-Axle trucks. As shown in **Table 3**, mobile source emissions from the Project would be 540 $MTCO_2e$ per year.
- **Off-Road – Yard Trucks.** Operational off-road emissions would be generated by off-road cargo handling equipment used during operational activities. For this Project it was assumed that the warehouses would include six-yard trucks. Based on CARB OFFROAD emissions data, the yard trucks would generate 473 $MTCO_2e$ per year.
- **Emergency Backup Generator.** As the Project warehouse is speculative, it is unknown whether emergency backup generators would be used. Backup generators would only be used in the event of a power failure and would not be part of the Project's normal daily operations. Nonetheless, emissions associated with this equipment were included to be conservative. Emissions from an emergency backup generator for the warehouse building was calculated separately from CalEEMod; refer to **Appendix A**. However, CalEEMod default emissions rates were used. If backup generators are required, the end user would be required to obtain a permit from the SCAQMD prior to installation. Emergency backup generators must meet SCAQMD's Best Available Control Technology (BACT) requirements and comply with SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines), which would minimize emissions. As shown in **Table 3**, backup generator emissions would be 20 $MTCO_2e$ per year.
- **Solid Waste**. Solid waste releases GHG emissions in the form of methane when these materials decompose. The Project would result in 30 $MTCO_2e$ per year from solid waste (refer to **Table 3**).
- **Water and Wastewater**. GHG emissions from water demand would occur from electricity consumption associated with water conveyance and treatment. The Project would result in 58 $MTCO_2e$ per year from water and wastewater conveyance and treatment (refer to **Table 3**).

It should be noted that the operational emissions reflect Project energy consumption based on the 2019 Title 24 Part 6 (Building Energy Efficiency Standards). The standards require updated thermal envelope standards (preventing heat transfer from the interior to exterior and vice versa), residential and nonresidential ventilation requirements, and nonresidential lighting requirements that would cut residential energy use by more than 50 percent (with solar) and nonresidential energy use by 30 percent. The standards also encourage demand responsive technologies including battery storage and heat pump water heaters and improve the building's thermal envelope through high performance attics, walls and windows to improve comfort and energy savings.[11] As noted above, the 2022 Energy Code became effective on January 1, 2023 and strengthens ventilation standards, includes new electric heat pump requirements, promotes electric-ready requirements for new homes (including the addition of circuitry for electric appliances, battery storage panels, and dedicated infrastructure), and expands solar

[11] California Energy Commission, *2019 Building Energy Efficiency Standards*, 2018. Available at: https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2019-building-energy-efficiency.

photovoltaic and battery storage standards. The Project would be required to comply with the 2022 Energy Code.[12]

The Project would also comply with the appliance energy efficiency standards in Title 20 of the California Code of Regulations. The Title 20 standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances. The Project would be constructed according to the 2022 CALGreen standards, which includes water conserving plumbing fixtures and fittings, electric heat pump technology, electric-ready requirements when natural gas is installed, and strengthening ventilation standards.

At the State and global level, improvements in technology, policy, and social behavior can also influence and reduce operational emissions generated by a project. The State is currently on a pathway to achieving the Renewable Portfolio Standards goal of 60 percent renewables by 2030 per SB 100 and 100 percent clean electricity by 2045 per AB 1279. Despite these goals, the majority of the Project's emissions would still be from mobile and energy sources. Future mobile source emissions are greatly dependent on changes in vehicle technology, fuels, and social behavior, which can be influenced by policies to varying degrees. This is assumed to also be applicable to the Project vehicle fleet, absent data that may suggest otherwise.

The primary source of Project emissions (approximately 75 percent) would occur from mobile sources and off-road equipment. CARB is directly responsible for regulating mobile and transportation source emissions in the State. Regarding the first parameter, California addresses emissions control technology through a variety of legislation and regulatory schemes, including the State's Low Carbon Fuel Standard (Executive Order S-01-07) (LCFS), a regulatory program designed to encourage the use of cleaner low-carbon transportation fuels in California, encourage the production of those fuels, and therefore, reduce GHG emissions and decrease petroleum dependence in the transportation sector. The regulatory standards are expressed in terms of the "carbon intensity" of gasoline and diesel fuel and their substitutes.

Different types of fuels are evaluated to determine their "life cycle emissions" which include the emissions associated with producing, transporting, and using the fuels. Each fuel is then given a carbon intensity score and compared against a declining carbon intensity benchmark for each year. Providers of transportation fuels must demonstrate that the mix of fuels they supply for use in California meets these declining benchmarks for each annual compliance period. In 2018, CARB approved amendments to the LCFS, which strengthened the carbon intensity benchmarks through 2030 to ensure they are in-line with California's 2030 GHG emission reduction target enacted through SB 32. This ensures that the transportation sector is meeting its obligations to achieve California's GHG reduction targets. The State is also implementing legislation and regulations to address the second parameter affecting transportation related GHG emissions by controlling for VMT. Examples of this include SB 375, which links land use and transportation funding and provides one incentive for regions to achieve reductions in VMT, and SB 743, which discourages VMT increases for passenger car trips above a region-specific benchmark. As such, the City of Irwindale has no regulatory control over emissions control technology and therefore limited ability to control or mitigate emissions associated with mobile source emissions associated with this Project.

[12] California Energy Commission, *2022 Building Energy Efficiency Standards*, 2022. Available at: https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency.

Table 3 shows that GHG impacts would be less than significant. The net Project-related GHG emissions would not result in a cumulatively considerable contribution to the significant cumulative impact of climate change.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

5.2 Greenhouse Gas Reduction Plan Compliance

Threshold 5.2 Would the Project conflict with an applicable plan, policy, or regulation of an agency adopted for the purpose of reducing GHG emissions?

Consistency with the 2022 CARB Scoping Plan

The 2022 Scoping Plan sets a path to achieve targets for carbon neutrality and reduce anthropogenic GHG emissions by 85 percent below 1990 levels by 2045 in accordance with AB 1279. The transportation, electricity, and industrial sectors are the largest GHG contributors in the State. The 2022 Scoping Plan plans to achieve the AB 1279 targets primarily through zero-emission transportation (e.g., electrifying cars, buses, trains, and trucks). Additional GHG reductions are achieved through decarbonizing the electricity and industrial sectors.

Statewide strategies to reduce GHG emissions in the latest 2022 Scoping Plan include implementing SB 100, which would achieve 100 percent clean electricity by 2045; achieving 100 percent zero emission vehicle sales in 2035 through Advanced Clean Cars II; and implementing the Advanced Clean Fleets regulation to deploy zero-electric vehicle buses and trucks. Additional transportation policies include the Off-Road Zero-Emission Targeted Manufacturer rule, Clean Off-Road Fleet Recognition Program, In-use Off-Road Diesel-Fueled Fleets Regulation, Off-Road Zero-Emission Targeted Manufacturer rule, Clean Off-Road Fleet Recognition Program, and Amendments to the In-use Off-Road Diesel-Fueled Fleets Regulation. The 2022 Scoping Plan would continue to implement SB 375. GHGs would be further reduced through the Cap-and-Trade Program carbon pricing and SB 905. SB 905 requires CARB to create the Carbon Capture, Removal, Utilization, and Storage Program to evaluate, demonstrate, and regulate carbon dioxide removal projects and technology.

As shown previously, a majority of the Project's GHG emissions are from energy and mobile sources which would be further reduced by the 2022 Scoping Plan measures described above. It should be noted that the City has no control over vehicle emissions. However, these emissions would decline in the future due to statewide measures discussed above, as well as cleaner technology and fleet turnover. Several of the State's plans and policies would contribute to a reduction in mobile source emissions from the Project. These include the following:

- **CARB's Advanced Clean Truck Regulation**: Adopted in June 2020, CARB's Advanced Clean Truck Regulation requires truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8.
- **Executive Order N-79-20**: Executive Order N-79-20 establishes the goal for all new passenger cars and trucks, as well as all drayage/cargo trucks and off-road vehicles and equipment, sold in California, will be zero-emission by 2035 and all medium and heavy-duty vehicles will be zero-emission by 2045. It also directs CARB to develop and propose rulemaking for passenger vehicles and trucks, medium-and heavy-duty fleets where feasible, drayage trucks, and off-road vehicles and equipment "requiring increasing volumes" of new ZEVs "towards the target of 100 percent."
- **CARB's Mobile Source Strategy**: CARB's Mobile Source Strategy takes an integrated planning approach to identify the level of transition to cleaner mobile source technologies needed to achieve all of California's targets by increasing the adoption of ZEV buses and trucks.

- **CARB's Sustainable Freight Action Plan**: The Sustainable Freight Action Plan which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of ZEV trucks. This Plan applies to all trucks accessing the project site and may include existing trucks or new trucks that are part of the statewide goods movement sector.
- **CARB's Emissions Reduction Plan for Ports and Goods Movement**: CARB's Emissions Reduction Plan for Ports and Goods Movement identifies measures to improve goods movement efficiencies such as advanced combustion strategies, friction reduction, waste heat recovery, and electrification of accessories.

While these measures are not directly applicable to the Project, any commercial activity associated with goods movement would be required to comply with these measures as adopted. The Project would not obstruct or interfere with efforts to increase ZEVs or State efforts to improve system efficiency. Compliance with applicable State standards (e.g., continuation of the Cap-and-Trade regulation; CARB's Mobile Source Strategy, Sustainable Freight Action Plan, and Advanced Clean Truck Regulation; Executive Order N-79-20; SB 100/renewable electricity portfolio improvements that require 60 percent renewable electricity by 2030 and 100 percent renewable by 2045, etc.) would ensure consistency with State and regional GHG reduction planning efforts, including the 2022 Scoping Plan.

The Project does not conflict with the applicable plans that are discussed above, would not conflict with statewide measures to obtain carbon neutrality by the year 2045, and therefore with respect to this particular threshold, the Project does not have a significant impact.

SCAG RTP/SCS Consistency

On September 3, 2020, the Southern California Association of Governments (SCAG) Regional Council adopted Connect SoCal (*2020-2045 Regional Transportation Plan/ Sustainable Communities Strategy* [RTP/SCS]). The RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The RTP/SCS embodies a collective vision for the region's future and is developed with input from local governments, county transportation commissions, tribal governments, nonprofit organizations, businesses, and local stakeholders in the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. SCAG's RTP/SCS establishes GHG emissions goals for automobiles and light-duty trucks for 2020 and 2035 as well as an overall GHG target for the Project region consistent with both the target date of AB 32 and the post-2020 GHG reduction goals of Executive Orders 5-03-05 and B-30-15.

The RTP/SCS contains over 4,000 transportation Projects, ranging from highway improvements, railroad grade separations, bicycle lanes, new transit hubs and replacement bridges. These future investments were included in county plans developed by the six county transportation commissions and seek to reduce traffic bottlenecks, improve the efficiency of the region's network, and expand mobility choices for everyone. The RTP/SCS is an important planning document for the region, allowing project sponsors to qualify for federal funding.

The plan accounts for operations and maintenance costs to ensure reliability, longevity, and cost effectiveness. The RTP/SCS is also supported by a combination of transportation and land use strategies that help the region achieve State GHG emissions reduction goals and FCAA requirements, preserve open space areas, improve public health and roadway safety, support our vital goods movement industry, and utilize resources more efficiently. GHG emissions resulting from development-related mobile sources are the most potent source of emissions, and therefore Project comparison to the RTP/SCS is an appropriate

indicator of whether the Project would inhibit the post-2020 GHG reduction goals promulgated by the State. The Project's consistency with the RTP/SCS goals is analyzed in detail in **Table 4: Regional Transportation Plan/Sustainable Communities Strategy Consistency.**

Table 4: Regional Transportation Plan/Sustainable Communities Strategy Consistency

SCAG Goals		**Consistency**	
GOAL 1:	Encourage regional economic prosperity and global competitiveness.	N/A:	This is not a Project-specific policy and is therefore not applicable.
GOAL 2:	Improve mobility, accessibility, reliability, and travel safety for people and goods.	N/A:	Although the Project is not a transportation improvement Project, the Project is located near existing transit routes and access to Interstate 605 (I-605).
GOAL 3:	Enhance the preservation, security, and resilience of the regional transportation system.	N/A:	As the proposed Project is not a transportation improvement Project, Goal 3 is not applicable.
GOAL 4:	Increase person and goods movement and travel choices within the transportation system.	N/A:	As the proposed Project is not a transportation improvement Project, Goal 4 is not applicable. However, the Project includes a warehouse use that would support goods movement.
GOAL 5:	Reduce greenhouse gas emissions and improve air quality.	Consistent:	The reduction of energy use, improvement of air quality, and promotion of more environmentally sustainable development are encouraged through the development of alternative transportation methods, green design techniques for buildings, and other energy-reducing techniques. The proposed Project is required to comply with the provisions of the California Building Energy Efficiency Standards and the Green Building Standards Code (CALGreen). In addition, the Project will have 12 EV parking stalls and 7 EV charging stations. Further, the Project is located within an urban area in proximity to existing truck routes and freeways. Location of the Project within a developed area would reduce trip lengths, which would reduce GHG and air quality emissions. Further as discussed in the analysis above, GHG emissions would not exceed SCAQMD thresholds.
GOAL 6:	Support healthy and equitable communities.	Consistent:	As discussed in the Project's Air Quality Assessment, the Project does not exceed the SCAQMD's regional or localized thresholds. Based on the Friant Ranch decision, projects that do not exceed the SCAQMD's LSTs would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and result in no criteria pollutant health impacts.
GOAL 7:	Adapt to a changing climate and support an integrated regional development pattern and transportation network.	N/A:	This is not a Project-specific policy and is therefore not applicable.

Table 4: Regional Transportation Plan/Sustainable Communities Strategy Consistency			
SCAG Goals		**Consistency**	
GOAL 8:	Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	N/A:	As the proposed Project is not a transportation improvement Project, Goal 8 is not applicable.
GOAL 9:	Encourage development of diverse housing types in areas that are supported by multiple transportation options.	N/A:	As the proposed Project is not a housing development Project, Goal 9 is not applicable.
GOAL 10:	Promote conservation of natural and agricultural lands and restoration of habitats.	N/A:	The Project is not located on agricultural lands.
Source: SCAG, *Regional Transportation Plan/Sustainable Communities Strategy*, 2020.			

Compliance with applicable State standards would ensure consistency with State and regional GHG reduction planning efforts. The goals stated in the RTP/SCS were used to determine consistency with the planning efforts previously stated. As shown in **Table 4**, the Project would be consistent with the stated goals of the RTP/SCS. Therefore, the Project would not result in any significant impacts or interfere with SCAG's ability to achieve the region's post-2020 mobile source GHG reduction targets.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

5.3 Cumulative Setting and Impacts

Cumulative Setting

Climate change is a global problem. GHGs are global pollutants, unlike criteria air pollutants and TACs, which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have much longer atmospheric lifetimes of one year to several thousand years that allow them to be dispersed around the globe.

Cumulative Impacts

It is generally the case that an individual project of this size and nature is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory. GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective. The additive effect of Project-related GHGs would not result in a reasonably foreseeable cumulatively considerable contribution to global climate change. In addition, the Project as well as other cumulative related projects would also be subject to all applicable regulatory requirements, which would further reduce GHG emissions. As discussed under Impact Threshold 5.2, the Project would not conflict with any applicable GHG reduction plans including the RTP/SCS, 2022 Scoping Plan. Therefore, the Project's cumulative contribution of GHG emissions would be less than significant and the Project's cumulative GHG impacts would also be less than cumulatively considerable.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

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Appendix A

Greenhouse Gas Emissions Data

14005 Live Oak Avenue Project Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

3.3. Site Preparation (2025) - Unmitigated

3.5. Grading (2025) - Unmitigated

3.7. Building Construction (2026) - Unmitigated

3.9. Building Construction. (2026) - Unmitigated

3.11. Paving (2026) - Unmitigated

3.13. Architectural Coating (2026) - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14005 Live Oak Avenue Project
Construction Start Date	9/1/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	22.4
Location	14005 Live Oak Ave, Irwindale, CA 91706, USA
County	Los Angeles-South Coast
City	Irwindale
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4900
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Unrefrigerated Warehouse-No Rail	102	1000sqft	2.35	102,424	0.00	—	—	—
Parking Lot	131	1000sqft	3.01	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.32	16.7	59.8	54.6	0.11	2.34	27.2	29.5	2.16	11.4	13.6	—	13,922	13,922	0.63	0.83	12.7	14,198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.46	7.72	76.4	73.1	0.14	3.07	34.4	37.5	2.83	14.9	17.7	—	17,056	17,056	0.76	0.86	0.35	17,333
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.08	3.40	8.80	8.60	0.02	0.35	3.96	4.31	0.32	1.70	2.03	—	1,983	1,983	0.09	0.11	0.80	2,017
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.20	0.62	1.61	1.57	< 0.005	0.06	0.72	0.79	0.06	0.31	0.37	—	328	328	0.01	0.02	0.13	334

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	7.32	5.92	59.8	54.6	0.11	2.34	27.2	29.5	2.16	11.4	13.6	—	13,922	13,922	0.63	0.83	12.7	14,198
2026	1.71	16.7	11.5	18.3	0.03	0.41	0.93	1.34	0.37	0.22	0.60	—	3,870	3,870	0.16	0.12	4.18	3,915
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	9.46	7.72	76.4	73.1	0.14	3.07	34.4	37.5	2.83	14.9	17.7	—	17,056	17,056	0.76	0.86	0.35	17,333
2026	1.50	1.24	10.6	15.6	0.03	0.39	0.71	1.09	0.35	0.17	0.52	—	3,473	3,473	0.14	0.11	0.09	3,511
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.08	0.88	8.80	8.31	0.02	0.35	3.96	4.31	0.32	1.70	2.03	—	1,983	1,983	0.09	0.11	0.70	2,017
2026	0.82	3.40	5.73	8.60	0.01	0.21	0.39	0.60	0.19	0.10	0.28	—	1,862	1,862	0.08	0.06	0.80	1,882
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.20	0.16	1.61	1.52	< 0.005	0.06	0.72	0.79	0.06	0.31	0.37	—	328	328	0.01	0.02	0.12	334
2026	0.15	0.62	1.05	1.57	< 0.005	0.04	0.07	0.11	0.03	0.02	0.05	—	308	308	0.01	0.01	0.13	312

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.48	3.72	3.12	10.8	0.03	0.08	1.81	1.89	0.08	0.47	0.55	97.3	4,568	4,665	10.1	0.44	9.79	5,059
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.68	2.99	3.21	5.86	0.03	0.07	1.81	1.88	0.07	0.47	0.54	97.3	4,492	4,589	10.1	0.44	0.25	4,974

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.22	3.49	3.26	9.05	0.03	0.08	1.79	1.87	0.08	0.46	0.54	97.3	4,520	4,617	10.1	0.45	4.23	5,006
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.22	0.64	0.59	1.65	0.01	0.01	0.33	0.34	0.01	0.08	0.10	16.1	748	764	1.67	0.07	0.70	829

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.63	0.49	2.55	5.91	0.03	0.03	1.81	1.84	0.03	0.47	0.50	—	3,200	3,200	0.13	0.32	9.79	3,309
Area	0.79	3.20	0.04	4.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Energy	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,196	1,196	0.11	0.01	—	1,201
Water	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Waste	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Total	1.48	3.72	3.12	10.8	0.03	0.08	1.81	1.89	0.08	0.47	0.55	97.3	4,568	4,665	10.1	0.44	9.79	5,059
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.62	0.49	2.68	5.42	0.03	0.03	1.81	1.84	0.03	0.47	0.50	—	3,143	3,143	0.13	0.32	0.25	3,243
Area	—	2.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,196	1,196	0.11	0.01	—	1,201
Water	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Waste	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Total	0.68	2.99	3.21	5.86	0.03	0.07	1.81	1.88	0.07	0.47	0.54	97.3	4,492	4,589	10.1	0.44	0.25	4,974

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.62	0.49	2.70	5.56	0.03	0.03	1.79	1.82	0.03	0.46	0.49	—	3,158	3,158	0.13	0.33	4.23	3,262
Area	0.54	2.97	0.03	3.05	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	12.5	12.5	< 0.005	< 0.005	—	12.6
Energy	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,196	1,196	0.11	0.01	—	1,201
Water	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Waste	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Total	1.22	3.49	3.26	9.05	0.03	0.08	1.79	1.87	0.08	0.46	0.54	97.3	4,520	4,617	10.1	0.45	4.23	5,006
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.11	0.09	0.49	1.01	0.01	0.01	0.33	0.33	0.01	0.08	0.09	—	523	523	0.02	0.05	0.70	540
Area	0.10	0.54	< 0.005	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.08	2.08	< 0.005	< 0.005	—	2.08
Energy	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	198	198	0.02	< 0.005	—	199
Water	—	—	—	—	—	—	—	—	—	—	—	7.51	25.3	32.8	0.77	0.02	—	57.7
Waste	—	—	—	—	—	—	—	—	—	—	—	8.59	0.00	8.59	0.86	0.00	—	30.1
Total	0.22	0.64	0.59	1.65	0.01	0.01	0.33	0.34	0.01	0.08	0.10	16.1	748	764	1.67	0.07	0.70	829

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolitio n	—	—	—	—	—	—	5.80	5.80	—	0.88	0.88	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	2.86	2.40	22.2	19.9	0.03	0.92	—	0.92	0.84	—	0.84	—	3,425	3,425	0.14	0.03	—	3,437
Demolitio n	—	—	—	—	—	—	5.80	5.80	—	0.88	0.88	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.35	0.30	2.74	2.46	< 0.005	0.11	—	0.11	0.10	—	0.10	—	422	422	0.02	< 0.005	—	424
Demolitio n	—	—	—	—	—	—	0.72	0.72	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.06	0.05	0.50	0.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	69.9	69.9	< 0.005	< 0.005	—	70.1
Demolitio n	—	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	0.76	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.37	0.07	5.83	2.27	0.03	0.06	1.27	1.33	0.06	0.35	0.41	—	4,752	4,752	0.26	0.75	11.0	4,992

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	0.02	199
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.36	0.07	6.06	2.29	0.03	0.06	1.27	1.33	0.06	0.35	0.41	—	4,754	4,754	0.26	0.75	0.29	4,983
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.6	24.6	< 0.005	< 0.005	0.04	24.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.76	0.28	< 0.005	0.01	0.16	0.16	0.01	0.04	0.05	—	586	586	0.03	0.09	0.59	615
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.07	4.07	< 0.005	< 0.005	0.01	4.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	97.0	97.0	0.01	0.02	0.10	102

3.3. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movemen	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	3.94	3.31	31.6	30.2	0.05	1.37	—	1.37	1.26	—	1.26	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movemen	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.49	0.41	3.90	3.72	0.01	0.17	—	0.17	0.15	—	0.15	—	653	653	0.03	0.01	—	655
Dust From Material Movemen	—	—	—	—	—	—	2.42	2.42	—	1.25	1.25	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.09	0.07	0.71	0.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	108	108	< 0.005	< 0.005	—	108
Dust From Material Movemen	—	—	—	—	—	—	0.44	0.44	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	1.22	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	242	242	0.01	0.01	0.89	246

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.7	28.7	< 0.005	< 0.005	0.05	29.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.75	4.75	< 0.005	< 0.005	0.01	4.81
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	2.07	1.74	16.3	17.9	0.03	0.72	—	0.72	0.66	—	0.66	—	2,959	2,959	0.12	0.02	—	2,970

Dust From Material Movemen	—	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.18	0.15	1.38	1.52	< 0.005	0.06	—	0.06	0.06	—	0.06	—	251	251	0.01	< 0.005	—	252
Dust From Material Movemen	—	—	—	—	—	—	0.60	0.60	—	0.29	0.29	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.03	0.03	0.25	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.6	41.6	< 0.005	< 0.005	—	41.8
Dust From Material Movemen	—	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	197	197	0.01	0.01	0.02	199
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.03	17.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.81	2.81	< 0.005	< 0.005	< 0.005	2.84
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.09	0.08	0.70	0.92	< 0.005	0.03	—	0.03	0.02	—	0.02	—	171	171	0.01	< 0.005	—	171
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipmen	0.02	0.01	0.13	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.3	28.3	< 0.005	< 0.005	—	28.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.19	2.37	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	553	553	0.03	0.02	0.05	559
Vendor	0.04	0.01	0.60	0.29	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	—	524	524	0.02	0.07	0.04	546
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.9	39.9	< 0.005	< 0.005	0.06	40.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.3	37.3	< 0.005	0.01	0.04	39.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.61	6.61	< 0.005	< 0.005	0.01	6.70
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.17	6.17	< 0.005	< 0.005	0.01	6.45
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction. (2026) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.55	0.46	4.24	5.58	0.01	0.16	—	0.16	0.15	—	0.15	—	1,031	1,031	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.10	0.08	0.77	1.02	< 0.005	0.03	—	0.03	0.03	—	0.03	—	171	171	0.01	< 0.005	—	171
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.17	2.78	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	583	583	0.02	0.02	1.97	591
Vendor	0.04	0.02	0.58	0.28	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	—	523	523	0.02	0.07	1.41	548
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.19	2.37	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	553	553	0.03	0.02	0.05	559
Vendor	0.04	0.01	0.60	0.29	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	—	524	524	0.02	0.07	0.04	546
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	1.07	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	241	241	0.01	0.01	0.37	244
Vendor	0.02	0.01	0.26	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	225	225	0.01	0.03	0.26	235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.19	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.9	39.9	< 0.005	< 0.005	0.06	40.5
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.3	37.3	< 0.005	0.01	0.04	38.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.03	0.02	0.21	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.5	45.5	< 0.005	< 0.005	—	45.7
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	< 0.005	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.56
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.97	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	203	203	0.01	0.01	0.69	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.89	5.89	< 0.005	< 0.005	0.01	5.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.98	0.98	< 0.005	< 0.005	< 0.005	0.99
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.15	0.12	0.86	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	14.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipmen	0.03	0.02	0.15	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.1	24.1	< 0.005	< 0.005	—	24.2
Architectural Coatings	—	2.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipmen	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.00	4.00	< 0.005	< 0.005	—	4.01
Architectural Coatings	—	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	1.11	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	233	233	0.01	0.01	0.79	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	40.6	40.6	< 0.005	< 0.005	0.06	41.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.71	6.71	< 0.005	< 0.005	0.01	6.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.45	0.41	0.26	4.45	0.01	0.01	1.09	1.09	0.01	0.28	0.28	—	1,081	1,081	0.04	0.03	3.82	1,094
Parking Lot	0.18	0.09	2.29	1.46	0.02	0.03	0.72	0.75	0.03	0.19	0.22	—	2,119	2,119	0.09	0.29	5.98	2,215
Total	0.63	0.49	2.55	5.91	0.03	0.03	1.81	1.84	0.03	0.47	0.50	—	3,200	3,200	0.13	0.32	9.79	3,309
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.44	0.40	0.29	4.01	0.01	0.01	1.09	1.09	0.01	0.28	0.28	—	1,029	1,029	0.04	0.03	0.10	1,039
Parking Lot	0.18	0.08	2.38	1.41	0.02	0.03	0.72	0.75	0.03	0.19	0.22	—	2,114	2,114	0.09	0.29	0.16	2,204
Total	0.62	0.49	2.68	5.42	0.03	0.03	1.81	1.84	0.03	0.47	0.50	—	3,143	3,143	0.13	0.32	0.25	3,243
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.08	0.07	0.05	0.76	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	173	173	0.01	< 0.005	0.27	175
Parking Lot	0.03	0.02	0.44	0.26	< 0.005	0.01	0.13	0.14	< 0.005	0.03	0.04	—	350	350	0.02	0.05	0.43	366

Total	0.11	0.09	0.49	1.01	0.01	0.01	0.33	0.33	0.01	0.08	0.09	—	523	523	0.02	0.05	0.70	540

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	455	455	0.04	0.01	—	457
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Total	—	—	—	—	—	—	—	—	—	—	—	—	564	564	0.05	0.01	—	567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	455	455	0.04	0.01	—	457
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	109	109	0.01	< 0.005	—	110
Total	—	—	—	—	—	—	—	—	—	—	—	—	564	564	0.05	0.01	—	567
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	75.3	75.3	0.01	< 0.005	—	75.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	18.0	18.0	< 0.005	< 0.005	—	18.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	93.3	93.3	0.01	< 0.005	—	93.9

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	633	633	0.06	< 0.005	—	635
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	633	633	0.06	< 0.005	—	635
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	633	633	0.06	< 0.005	—	635
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.06	0.03	0.53	0.45	< 0.005	0.04	—	0.04	0.04	—	0.04	—	633	633	0.06	< 0.005	—	635

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	0.01	< 0.005	—	105
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	0.01	< 0.005	—	105

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.79	0.73	0.04	4.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Total	0.79	3.20	0.04	4.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	—	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	2.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.10	0.09	< 0.005	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.08	2.08	< 0.005	< 0.005	—	2.08
Total	0.10	0.54	< 0.005	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.08	2.08	< 0.005	< 0.005	—	2.08

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	45.4	153	198	4.67	0.11	—	349
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	7.51	25.3	32.8	0.77	0.02	—	57.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	7.51	25.3	32.8	0.77	0.02	—	57.7

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

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

Unrefrige Warehous Rail	— -No	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	51.9	0.00	51.9	5.19	0.00	—	182
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	8.59	0.00	8.59	0.86	0.00	—	30.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	8.59	0.00	8.59	0.86	0.00	—	30.1

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

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

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	9/1/2025	11/2/2025	5.00	45.0	—
Site Preparation	Site Preparation	9/1/2025	11/1/2025	5.00	45.0	—
Grading	Grading	11/1/2025	12/15/2025	5.00	31.0	—
Building Construction	Building Construction	1/2/2026	2/7/2026	5.00	26.0	Infrastructure improvements
Building Construction.	Building Construction	2/8/2026	9/15/2026	5.00	157	—
Paving	Paving	9/16/2026	9/30/2026	5.00	11.0	—
Architectural Coating	Architectural Coating	7/1/2026	9/30/2026	5.00	66.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction.	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction.	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction.	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction.	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction.	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	68.6	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	43.0	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	16.8	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	17.2	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction.	—	—	—	—
Building Construction.	Worker	43.0	18.5	LDA,LDT1,LDT2
Building Construction.	Vendor	16.8	10.2	HHDT,MHDT
Building Construction.	Hauling	0.00	20.0	HHDT
Building Construction.	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	153,636	51,212	7,865

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	12,345	—

Site Preparation	—	—	67.5	0.00	—
Grading	—	—	31.0	0.00	—
Paving	0.00	0.00	0.00	0.00	3.01

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	3.01	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	126	126	126	45,983	1,429	1,429	1,429	521,521
Parking Lot	48.0	48.0	48.0	17,512	684	684	684	249,478

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	153,636	51,212	7,865

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	479,381	346	0.0330	0.0040	1,974,340
Parking Lot	114,834	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	23,685,550	0.00

Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	96.3	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.5	annual days of extreme heat

Extreme Precipitation	6.00	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	82.6
AQ-PM	66.5
AQ-DPM	68.2
Drinking Water	84.6
Lead Risk Housing	67.8
Pesticides	53.5

Toxic Releases	75.3
Traffic	88.3
Effect Indicators	—
CleanUp Sites	83.1
Groundwater	92.7
Haz Waste Facilities/Generators	91.7
Impaired Water Bodies	43.8
Solid Waste	99.3
Sensitive Population	—
Asthma	54.4
Cardio-vascular	36.6
Low Birth Weights	36.1
Socioeconomic Factor Indicators	—
Education	69.8
Housing	35.3
Linguistic	36.5
Poverty	48.7
Unemployment	73.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—

Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	58.6
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	87.2
Physically Disabled	24.6
Heart Attack ER Admissions	66.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	1.3
SLR Inundation Area	0.0
Children	19.0
Elderly	62.6
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	37.5
Climate Change Adaptive Capacity	—

Impervious Surface Cover	29.6
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	83.0
Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Construction: Construction Phases	Based on client construction questionnaire
Operations: Vehicle Data	Based on client construction questionnaire
Operations: Fleet Mix	Anticipation of trip gen