APPENDIX C3:
EBPSP AQ STUDY



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EUCALYPTUS BUSINESS PARK SPECIFIC PLAN

AIR QUALITY ANALYSIS

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Reference Number	Agency	Date
16285-05 AQ Report	City of Ontario	January 7, 2026

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TABLE OF CONTENTS

EXECUTIVE SUMMARY 10
ES.1 Summary of Findings 10
ES.2 Regulatory Requirements 10
ES.3 Project Mitigation Measures 12

1 INTRODUCTION 1
1.1 Site Location 1
1.2 Project Description 1

2 AIR QUALITY SETTING 4
2.1 South Coast Air Basin 4
2.2 Regional Climate 4
2.3 Wind Patterns and Project Location 5
2.4 Air Pollutants 5
2.5 Existing Air Quality 14
2.5 Regional Air Quality 17
2.6 Local Air Quality 17
2.8 Regulatory Background 18
2.9 Regional Air Quality Improvement 21

3 PROJECT AIR QUALITY IMPACT 32
3.1 Introduction 32
3.2 Standards of Significance 32
3.3 Models Employed To Analyze Air Quality 33
3.4 Construction Emissions 33
3.5 Operational Emissions 39
3.6 Localized Air Quality Impacts 49
3.7 CO "Hot Spot" Analysis 55
3.8 AQMP 56
3.9 Potential Impacts to Sensitive Receptors 58
3.10 Potential Impacts to Sensitive Receptors 59
3.11 Cumulative Impacts 59

5 REFERENCES 61
6 CERTIFICATION 64

APPENDICES

APPENDIX 2.1: STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS
APPENDIX 3.1: CALEEMOD PHASE 1 CONSTRUCTION EMISSIONS MODEL OUTPUTS
APPENDIX 3.2: CALEEMOD PHASE 2 CONSTRUCTION EMISSIONS MODEL OUTPUTS
APPENDIX 3.3: CALEEMOD PHASE 3 CONSTRUCTION EMISSIONS MODEL OUTPUTS
APPENDIX 3.4: CRUSHING FUGITIVE DUST CALCULATIONS
APPENDIX 3.5: CALEEMOD PHASE 1 OPERATIONAL EMISSIONS MODEL OUTPUTS
APPENDIX 3.6: CALEEMOD PHASE 2 OPERATIONAL EMISSIONS MODEL OUTPUTS
APPENDIX 3.7: CALEEMOD PHASE 3 OPERATIONAL EMISSIONS MODEL OUTPUTS
APPENDIX 3.8: CALEEMOD PHASE 1 OPERATIONAL LOCALIZED EMISSIONS MODEL OUTPUTS
APPENDIX 3.9: CALEEMOD PHASE 2 OPERATIONAL LOCALIZED EMISSIONS MODEL OUTPUTS
APPENDIX 3.10: CALEEMOD PHASE 3 OPERATIONAL LOCALIZED EMISSIONS MODEL OUTPUTS

APPENDIX 3.11: AERMOD MODEL OUTPUTS – CONSTRUCTION
APPENDIX 3.12: AERMOD MODEL OUTPUTS – OPERATION
APPENDIX 3.13: OVERLAP OF CONSTRUCTION AND OPERATIONAL EMISSIONS

LIST OF EXHIBITS

EXHIBIT 1-A: PROJECT LOCATION 2
EXHIBIT 1-B: PRELIMINARY LAND USE PLAN 3
EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND 29
EXHIBIT 2-B: MATES V RISK MAP 30

LIST OF TABLES

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS 10
TABLE 2-1: CRITERIA POLLUTANTS (1 OF 7) 6
TABLE 2-1: CRITERIA POLLUTANTS (2 OF 7) 7
TABLE 2-1: CRITERIA POLLUTANTS (3 OF 7) 8
TABLE 2-1: CRITERIA POLLUTANTS (4 OF 7) 9
TABLE 2-1: CRITERIA POLLUTANTS (5 OF 7) 10
TABLE 2-1: CRITERIA POLLUTANTS (6 OF 7) 11
TABLE 2-1: CRITERIA POLLUTANTS (7 OF 7) 12
TABLE 2-2: ADDITIONAL POLLUTANTS (1 OF 2) 12
TABLE 2-2: ADDITIONAL POLLUTANTS (2 OF 2) 13
TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (1 OF 2) 15
TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (2 OF 2) 16
TABLE 2-4: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB 17
TABLE 2-5: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2022-2024 18
TABLE 2-6: SCAB O_3 TREND 22
TABLE 2-7: SCAB AVERAGE 24-HOUR CONCENTRATION PM_{10} TREND (FEDERAL)[1] 23
TABLE 2-8: SCAB AVERAGE 24-HOUR CONCENTRATION PM_{10} TREND (STATE)[1] 23
TABLE 2-9: SCAB AVERAGE 24-HOUR CONCENTRATION $PM_{2.5}$ TREND (FEDERAL)[1] 24
TABLE 2-10: SCAB AVERAGE 24-HOUR CONCENTRATION $PM_{2.5}$ TREND (STATE)[1] 24
TABLE 2-11: SCAB 8-HOUR AVERAGE CONCENTRATION CO TREND[1] 25
TABLE 2-12: SCAB 1-HOUR AVERAGE CONCENTRATION NO_2 TREND (FEDERAL) 26
TABLE 2-13: SCAB 1-HOUR AVERAGE CONCENTRATION NO_2 TREND (STATE) 27
TABLE 3-1: REGIONAL EMISSIONS SIGNIFICANCE THRESHOLDS 32
TABLE 3-2: LOCALIZED EMISSIONS SIGNIFICANCE THRESHOLDS 33
TABLE 3-3: CONSTRUCTION DURATION 35
TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS – PHASES 1, 2, AND 3 36
TABLE 3-5: CONSTRUCTION TRIP ASSUMPTIONS 37
TABLE 3-6: CONSTRUCTION EMISSIONS SUMMARY – PHASE 1 38
TABLE 3-7: CONSTRUCTION EMISSIONS SUMMARY – PHASE 2 38
TABLE 3-8: CONSTRUCTION EMISSIONS SUMMARY – PHASE 3 38
TABLE 3-9: PASSENGER VEHICLE FLEET MIX 40
TABLE 3-10: TRUCK FLEET MIX 40
TABLE 3-11: PEAK OPERATIONAL EMISSIONS – PHASE 1 44
TABLE 3-12: PEAK OPERATIONAL EMISSIONS – PHASES 1 AND 2 45
TABLE 3-13: PEAK OPERATIONAL EMISSIONS – PHASES 1, 2, AND 3 (BUILDOUT) 45
TABLE 3-14: CONSTRUCTION LOCALIZED SIGNIFICANCE SUMMARY – PHASE 1 53
TABLE 3-15: CONSTRUCTION LOCALIZED SIGNIFICANCE SUMMARY – PHASE 2 53
TABLE 3-16: CONSTRUCTION LOCALIZED SIGNIFICANCE SUMMARY – PHASE 3 54
TABLE 3-17: OPERATIONAL LOCALIZED SIGNIFICANCE SUMMARY – PHASE 1 54
TABLE 3-18: OPERATIONAL LOCALIZED SIGNIFICANCE SUMMARY – PHASES 1 AND 2 55

TABLE 3-19: OPERATIONAL LOCALIZED SIGNIFICANCE SUMMARY – PHASES 1, 2, AND 3..... 55

LIST OF ABBREVIATED TERMS

%	Percent
µg/m^3	Microgram per Cubic Meter
1992 CO Plan	1992 Federal Attainment Plan for Carbon Monoxide
2016-2040 RTP/SCS	2016-2040 Regional Transportation Plan/Sustainable Communities Strategy
AB 2595	California Clean Air Act
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APN	Assessor's Parcel Number
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
C_2Cl_4	Perchloroethylene
C_4H_6	1,3-butadiene
C_6H_6	Benzene
C_2H_3Cl	Vinyl Chloride
C_2H_4O	Acetaldehyde
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CEQA Guidelines	2019 CEQA Statute and Guidelines
CH_2O	Formaldehyde
City	City of Ontario
CO	Carbon Monoxide
COH	Coefficient of Haze
COHb	Carboxyhemoglobin
Cr(VI)	Chromium
EIR	Environmental Impact Report
EMFAC	Emissions FACtor Model
EPA	Environmental Protection Agency
EV	Electric Vehicle
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating

H_2S	Hydrogen Sulfide
HEPA	High Efficiency Particulate Air
HI	Hazard Index
hp	Horsepower
lbs	Pounds
lbs/day	Pounds Per Day
LST	Localized Significance Threshold
LST Methodology	Final Localized Significance Threshold Methodology
MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
mph	Miles Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N_2	Nitrogen
N_2O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NO	Nitric Oxide
NO_2	Nitrogen Dioxide
NO_X	Nitrogen Oxides
O_2	Oxygen
O_3	Ozone
O_2 Deficiency	Chronic Hypoxemia
OBD-II	On-Board Diagnostic
ODC	Ozone Depleting Compounds
Pb	Lead
PM	Particulate Matter
PM_{10}	Particulate Matter 10 microns in diameter or less
$PM_{2.5}$	Particulate Matter 2.5 microns in diameter or less
ppm	Parts Per Million
Project	Eucalyptus Business Park Specific Plan
RECLAIM	Regional Clean Air Incentives Market
ROG	Reactive Organic Gases
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
sf	Square Feet
SIPs	State Implementation Plans
SO_2	Sulfur Dioxide
SO_4	Sulfates
SO_X	Sulfur Oxides
SRA	Source Receptor Area
TAC	Toxic Air Contaminant

Title 24	California Building Code
TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
WAIRE	Warehouse Actions and Investments to Reduce Emissions

EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this Eucalyptus Business Park Specific Plan Air Quality Impact Analysis (AQIA) are summarized below based on the significance criteria in Section 4 of this report consistent with Appendix G of the CEQA Guidelines (CEQA Guidelines) (1). Table ES-1 shows the findings of significance for each potential air quality impact under CEQA before and after any required mitigation measures (MM) described below.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Regional Construction Emissions	3.4	*Less Than Significant*	*n/a*
Localized Construction Emissions	3.6	*Less Than Significant*	*n/a*
Regional Operational Emissions	3.5	*Potentially Significant*	*Significant and Unavoidable*
Localized Operational Emissions	3.6	*Less Than Significant*	*n/a*
CO "Hot Spot" Analysis	3.7	*Less Than Significant*	*n/a*
Air Quality Management Plan	3.8	*Potentially Significant*	*Significant and Unavoidable*
Sensitive Receptors	3.9	*Less Than Significant*	*n/a*
Odors	3.10	*Less Than Significant*	*n/a*
Cumulative Impacts	3.11	*Potentially Significant*	*Significant and Unavoidable*

ES.2 REGULATORY REQUIREMENTS

There are numerous requirements that development projects must comply with by law, and that were put in place by federal, State, and local regulatory agencies for the improvement of air quality. Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel shall conform to the requirements of the South Coast Air Quality Management District (SCAQMD). SCAQMD Rules that are currently applicable to this Project are described below.

SCAQMD Rule 402

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any such persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

SCAQMD Rule 403

This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities.

Dust Control, Operations. Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel, shall conform to the requirements of the SCAQMD.

SCAQMD Rule 1113

This rule serves to limit the VOC content of architectural coatings used on projects in the SCAQMD. This rule applies to any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects.

SCAQMD Rule 1301

This rule is intended to provide that pre-construction review requirements to ensure that new or relocated facilities do not interfere with progress in attainment of the National Ambient Air Quality Standards (NAAQS), while future economic growth within the SCAQMD is not unnecessarily restricted. The specific air quality goal is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors. Rule 1301 also limits emission increases of ammonia, and Ozone Depleting Compounds (ODCs) from new, modified or relocated facilities by requiring the use of Best Available Control Technology (BACT).

SCAQMD Rule 1401

A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any 1 hour that is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States (U.S.) Bureau of Mines.

SCAQMD Rule 2202

SCAQMD Rule 2202, On-Road Motor Vehicle Mitigation Options, would apply to tenants who employ 250 or more employees on a full- or part-time basis. The purpose of this rule is to provide employers with a menu of options to reduce employee commute vehicle emissions. Tenants with less than 250 employees or tenants with 250 or more employees who are exempt from SCAQMD Rule 2202 (as stated in the Rule) shall either (a) join with a tenant who is implementing a program in accordance with Rule 2202 or (b) implement an emission reduction program similar to Rule 2202 with annual reporting of actions and results to the City of Ontario. The tenant-implemented program could include, but not be limited to the following:

- Appoint a Transportation Demand Management (TDM) coordinator who would promote the TDM program, activities and features to all employees.

- Create and maintain a "commuter club" to manage subsidies or incentives for employees who carpool, vanpool, bicycle, walk, or take transit to work.
- Inform employees of public transit and commuting services available to them (e.g., social media, signage).
- Provide on-site transit pass sales and discounted transit passes.
- Guarantee a ride home.
- Offer shuttle service to and from public transit and commercial areas/food establishments, if warranted.
- Coordinate with the San Bernardino County Transportation Authority and employers in the surrounding area to maximize the benefits of the TDM program."

SCAQMD Rule 2305

The SCAQMD adopted Rule 2305, the Warehouse Indirect Source Rule, on May 7, 2021. Owners and operators associated with warehouses 100,000 square feet (sf) or larger are required to directly reduce nitrogen oxides (NO_X) and particulate matter emissions, or to otherwise facilitate emission and exposure reductions of these pollutants in nearby communities. The rule imposes a "Warehouse Points Compliance Obligation" (WPCO) on warehouse operators. Operators satisfy the WPCO by accumulating "Warehouse Actions and Investments to Reduce Emissions Points" (WAIRE Points) in a given 12-month period. WAIRE Points are awarded by implementing measures to reduce emissions listed on the WAIRE Menu, or by implementing a custom WAIRE Plan approved by the SCAQMD.

Although the Project would comply with Rule 2305, it should be noted that there is no way to quantify these reductions in the California Emissions Estimator Model (CalEEMod). The two most pertinent regulatory requirements that could be modeled, are Rule 403 (Fugitive Dust) (2) and Rule 1113 (Architectural Coatings) (3). Credit for Rule 403 and Rule 1113 have been taken in the analysis.

ES.3 PROJECT MITIGATION MEASURES

ES.3.1 Construction-Source MMs

Unmitigated Project construction-source emissions would not exceed SCAQMD regional thresholds, thus implementation of construction mitigation measures is not required.

ES.3.2 Operational-Source MMs

At buildout, unmitigated Project operational-source ROG, NO_X, CO, and PM_{10} emissions would exceed applicable SCAQMD regional significance thresholds. The predominance of the Project's operational-source emissions are generated by passenger vehicles and trucks accessing the Project. Neither the Project Applicant nor the City have regulatory authority to control tailpipe emissions, and no feasible MMs beyond the measures identified herein exist that would reduce Project operational-source NO_X emissions to levels that are less-than-significant. Project operational-source NO_X emissions impacts are therefore considered significant and unavoidable.

The following measures (MM AQ-1 through MM AQ-8) are designed to reduce Project operational-source emissions. There is no way to meaningfully quantify all of these reductions in CalEEMod, and therefore as a conservative measure, no numeric emissions credit has been taken in the analysis. As such, even with application of MM AQ-1 through MM AQ-8, Project operational-source emissions impacts are considered significant and unavoidable.

MM AQ-1

To facilitate the future installation of infrastructure that would charge the batteries that power the motors of electric-powered trucks, the following shall be installed: 1) prior to the shell building permit approval, an electrical room(s) and/or exterior area(s) of the site shall be designated where future electrical panels would be located for the purpose of supplying power to on-site charging facilities for electric powered trucks. Conduit shall be installed from this designated area where the panel would be located to the onsite location where the charging facilities would be located and where electric-powered trucks would park and connect to charging facilities to charge the batteries that power the motors of the electric-powered trucks; 2) prior to issuance of a building permit for tenant improvements, tenants that plan to operate electric trucks would be required to construct electrical charging infrastructure in addition to the required conduits.

MM AQ-2

In order to promote alternative fuels, and help support "clean" truck fleets, the developer/successor-in-interest shall provide building occupants with information related to SCAQMD's Carl Moyer Program, or other such programs that promote truck retrofits or "clean" vehicles and information including, but not limited to, the health effect of diesel particulates, benefits of reduced idling time, and CARB regulations. Tenants shall be notified about the availability of: 1) alternatively fueled cargo handling equipment; 2) grant programs for diesel-fueled vehicle engine retrofit and/or replacement; 3) access to alternative fueling stations proximate to the site that supply compressed natural gas; and 5) the United States Environmental Protection Agency's SmartWay program.

MM AQ-3

Idling Regulations. Prior to issuance of a certificate of occupancy, legible, durable, weather-proof signs shall be installed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (CARB) anti-idling regulations. At a minimum, each sign shall include the following instructions for truck drivers to shut off engines when not in use.

1. Instructions for drivers of diesel trucks to restrict idling to no more than five minutes once the vehicle is stopped, the transmission is set to "neutral" or "park" and the parking brake is engaged.
2. Telephone numbers of the building facilities manager and CARB to report violations.

MM AQ-4

All future operations shall adhere to the following:

1. Sites shall clearly mark entry and exit points for trucks and service vehicles.
2. Facility operators shall maintain records of their fleet equipment owned by the facility and ensure that all diesel-fueled Medium-Heavy Duty Trucks ("MHDT") and Heavy-Heavy Duty Trucks ("HHD") use year CARB 2010 or newer engines. The records should be maintained on-site and be made available for inspection by the lead agency.
3. Facility operators shall train their managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks.

4. Signs should be posted in the appropriate locations and/or handouts should be provided that show the locations of nearest food options, fueling, truck maintenance services, and other similar convenience services.

5. Each Facility shall designate a Compliance Officer responsible for implementing the measures described herein and/or in the project conditions of approval and mitigation measures. Contact information shall be provided to the City and updated annually, and signs shall be posted in visible locations providing the contact information for the Compliance Officer to the surrounding community. The Compliance Officer also shall coordinate with CARB and SCAQMD to obtain the latest information about regional air quality concentrations, health risks, and trucking regulations.

6. Signs shall be posted in the appropriate locations heavy truck drivers to park and perform any self-maintenance of trucks in designated on-site areas and not within the surrounding community or on public streets.

7. The Project plans and specifications shall include signs at every truck exit driveway providing directional information to the truck route.

MM AQ-5

Electric Vehicle Charging and Future Truck Charging Capability. Prior to issuance of building permits, the following features shall be demonstrated on the Project's building plans to the extent feasible over minimum California Code of Regulations Title 24 requirements. Installation shall be verified by the City prior to issuance of a certificate of occupancy.

1. For use by employees and visitors conducting business at the building, install automobile electric vehicle (EV) charging stations at the minimum number required by the California Code of Regulations Title 24. All charging stations shall be equipped with Level 2 or faster chargers. Signs shall be posted indicating that the charging stations are for exclusive use by the building's employees and by visitors conducting business at the building.

2. Install appropriate electrical infrastructure sufficiently sized to accommodate the potential installation of additional auto and truck EV charging stations in the future.

3. Install raceways for conduit to tractor trailer parking areas in logical, gated locations determined by the Project Applicant during construction document plan check, for the purpose of accommodating the future installation of EV truck charging stations at such time this technology becomes commercially available. The charging station location(s) are to be located inside the gated and secured truck courts.

MM AQ-6

Water Efficient Fixtures. All water fixtures within the Project shall be water efficient (toilets/urinals (1.5 gallons per minute [gpm] or less), showerheads (2.0 gpm or less), and faucets (1.28 gpm or less)).

MM AQ-7

City Review of Construction Documents. Prior to issuance of building permits, the following features shall be demonstrated on the Project's building and landscape plans to the extent feasible. Installation shall be verified by the City prior to issuance of a certificate of occupancy.

1. Install Energy Star-rated heating, cooling, lighting, and appliances
2. Structures shall be equipped with outdoor electric outlets in the front and rear to facilitate use of electrical lawn and garden equipment.
3. Install rooftop solar energy systems which generate enough electricity to meet 45% of annual warehouse electricity demand.

MM AQ-8

Tenant Lease Agreement. Prior to issuance of a certificate of occupancy, the following language shall be included within tenant lease agreements in order to reduce operational air pollutant emissions to the extent feasible:

1. Information about energy efficiency, energy-efficient lighting and lighting control systems, energy management, and existing energy incentive programs.
2. Information about funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment.
3. Requirements to use the cleanest technologies available and to provide the necessary infrastructure to support zero-emission vehicles, equipment, and appliances that would be operating on site at such time this technology becomes commercially available. This requirement shall apply to equipment such as forklifts, handheld landscaping equipment, yard trucks, office appliances, etc.
4. Requirements to exclusively use zero-emission light and medium-duty delivery trucks and vans, when economically feasible.
5. Requirements to operate in compliance with, and to monitor compliance with, all current and applicable air quality regulations for on-road trucks including the California Air Resources Board's Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation, Periodic Smoke Inspection Program, and the Statewide Truck and Bus Regulation.
6. Requirements and identification of the responsible party to maintain, replace, and upgrade rooftop solar panels per the manufacturer's recommendations for the life of the lease. The proposed Project would comply with existing solar requirements per the California Energy Code in effect during permitting of the Project (at the time of Construction Drawing Plan Check Submittal). In the case that the tenant requires additional solar capacity, this shall be addressed during the tenant improvement process. The proposed Project would be required to meet the CCR Title 24 energy efficiency standards in effect during permitting of the proposed Project
7. Requirements and identification of the responsible party to maintain, replace, and repair the legible, durable, weather-proof signs that were installed at initial building occupancy

placed at truck access gates, loading docks, and truck parking areas that identify applicable CARB anti-idling regulations.

8. The tenant agreement shall include notification that the tenant shall comply with CARB Truck and Bus regulation, including requirements that only haul trucks meeting model year 2010 engine emission standards shall be used for the on-road transport of materials to and from the Project site.
9. Requirements for the building owner to provide a Green Cleaning Products and Paint Education Program available to the building tenant, to keep at the building's office, break room, leasing space, or on an accessible website.

1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Eucalyptus Business Park Specific Plan (Project). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend measures to mitigate impacts considered potentially significant in comparison to thresholds established by the SCAQMD.

1.1 SITE LOCATION

The Project site is located generally south of Ontario Ranch Road, west of Walker Avenue, east of Campus Avenue, and north of Eucalyptus Avenue in the City of Ontario, as shown in Exhibit 1-A. Access to the proposed Project would be provided to the surrounding roadways of Campus Avenue, Eucalyptus Avenue, Bon View Avenue, Grove Avenue, and Walker Avenue.

1.2 PROJECT DESCRIPTION

The Project is to consist of a business park with mixed-use retail, a public animal shelter, and park use on approximately 189.0 acres and a total building footprint of 2,939,000 square feet (SF), and includes the following uses:

- Phase 1 (2028):
  - 340,700 SF Industrial Park
  - 553,300 SF Warehousing
  - 326,200 SF High-Cube Fulfillment Center (Sort)
  - 33.8-Acre Park
- Phase 2 (2029):
  - 273,700 SF Industrial Park
  - 553,300 SF Warehousing
  - 261,000 SF High-Cube Fulfillment Center (Sort)
  - 5,000 SF Retail
  - 5,000 SF Fast-Food Restaurant with Drive-Thru
  - 35,000 SF Public Animal Shelter
  - 37.7-Acre Park
- Phase 3 (2031):
  - 162,600 SF Industrial Park
  - 211,700 SF Manufacturing
  - 163,600 SF Warehousing
  - 47,900 SF High-Cube Fulfillment Center (Sort)
  - 21.0-Acre Park

Buildout of the proposed Project is anticipated to occur in 2031. A preliminary land use plan is presented in Exhibit 1-B. It should be noted that the open space located immediately north of the specific plan would not generate significant emissions and is thus not considered in this analysis.

EXHIBIT 1-A: PROJECT LOCATION

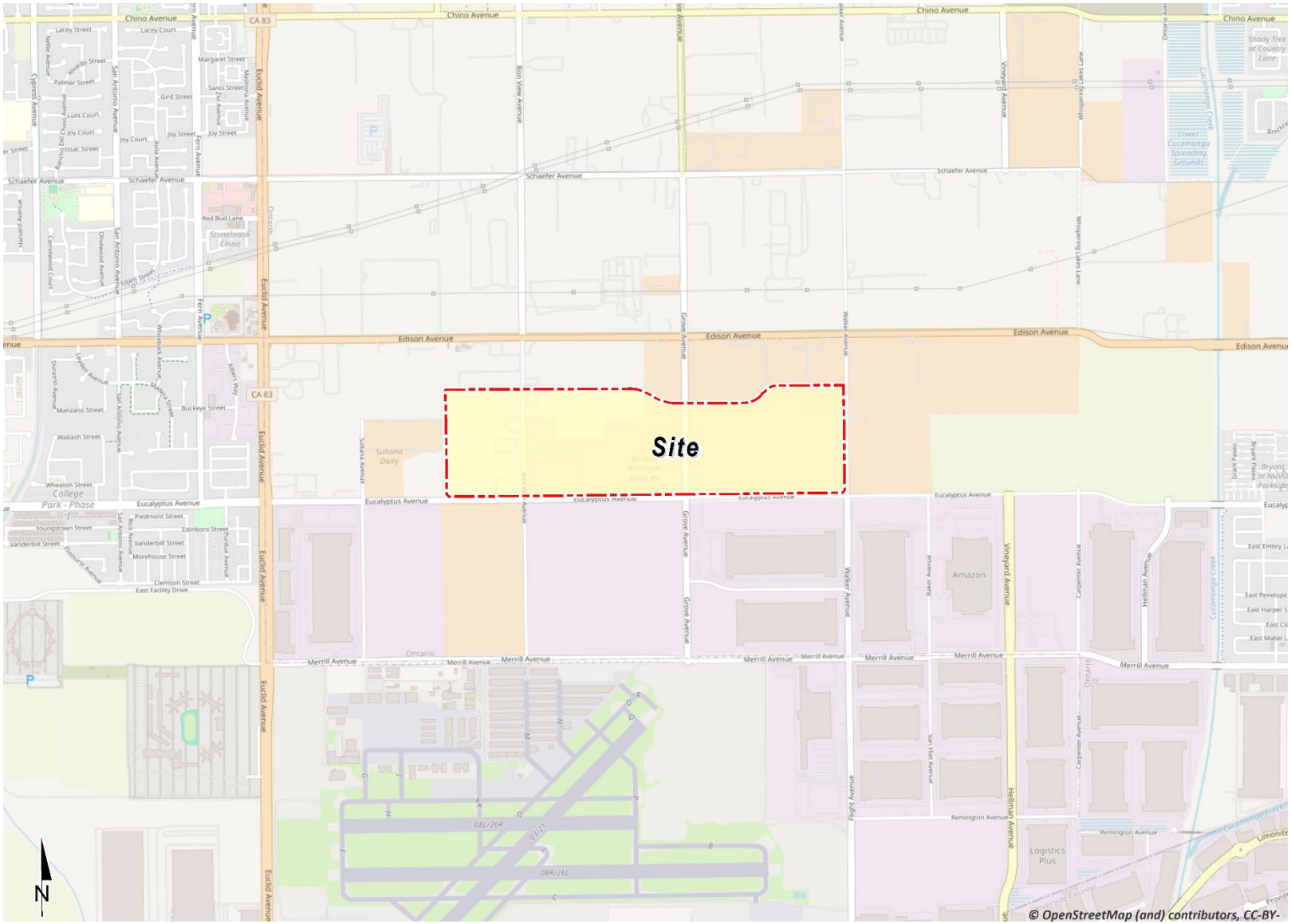
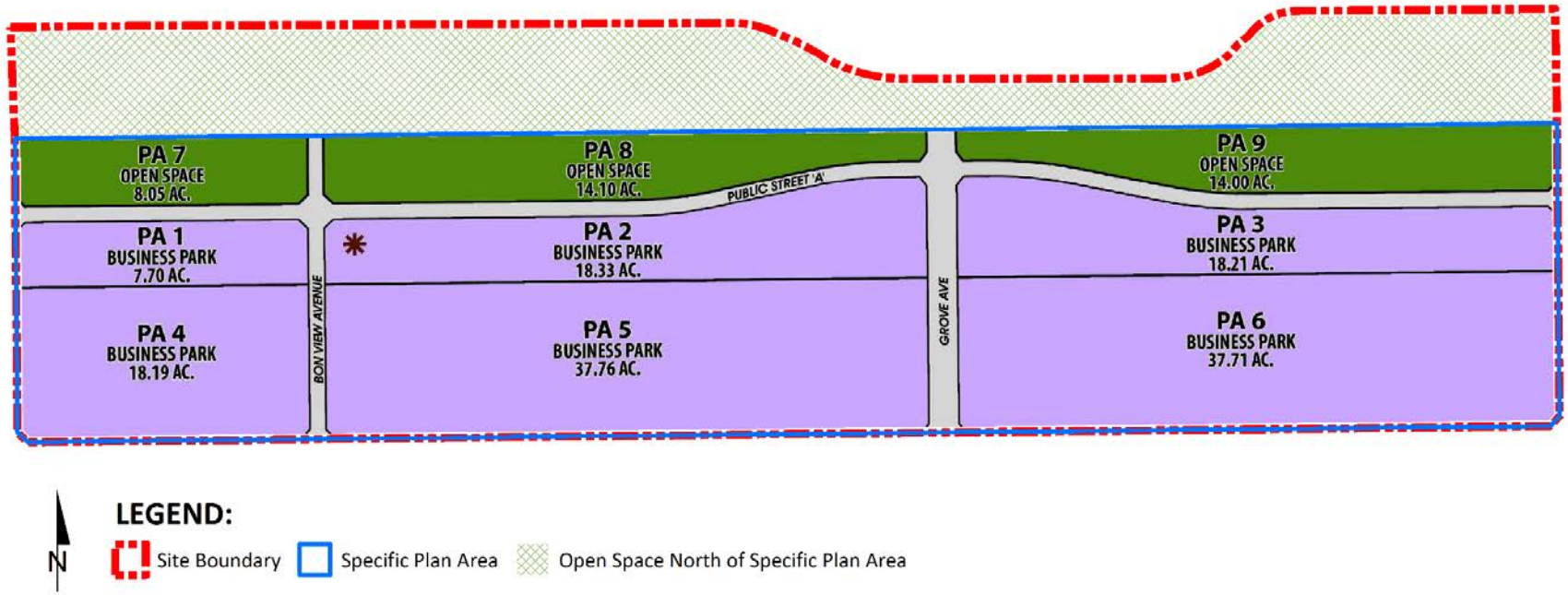


EXHIBIT 1-B: PRELIMINARY LAND USE PLAN



2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (4). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As previously stated, the Project site is located within the SCAB, a 6,745 square-mile subregion of the SCAQMD, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County. The SCAB is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east, and the San Diego Air Basin to the south.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality. The annual average temperatures throughout the SCAB vary from the low to mid 60s (degrees Fahrenheit °[F]). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide (SO_2) to sulfates (SO_4) is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71% along the coast and 59% inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90% of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast. Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year, there are approximately 10 hours of possible sunshine, and on the longest day of the year, there are approximately 14½ hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed "Santa Anas" each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the "Catalina Eddy," a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level. A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as nitrogen oxides (NO_X) and carbon monoxide (CO) from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 Wind Patterns and Project Location

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The SCAB is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter. Wind patterns across the south coastal region are characterized by westerly and southwesterly onshore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 Air Pollutants

2.4.1 Criteria Pollutants

Air quality regulations were first promulgated with the Federal Clean Air Act (CAA) of 1970. Air quality is defined by ambient air concentrations of seven "criteria air pollutants," which are a group of common air pollutants identified by the United States Environmental Protection Agency (U.S.

EPA) to be of concern with respect to the health and welfare of the general public. Federal and State governments regulate criteria air pollutants by using ambient standards based on criteria regarding the health and/or environmental effects of each pollutant. The seven "criteria" air pollutants defined by the U.S. EPA are: (1) carbon monoxide (CO); (2) sulfur dioxide (SO_2); (3) nitrogen dioxide (NO_2); (4) ozone (O_3); (5) respirable particulate matter with a diameter of 10 microns or less (PM_{10}), (6) fine particulate matter with a diameter of 2.5 microns or less ($PM_{2.5}$), and (7) lead (Pb). Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and health effects are identified below (5).

TABLE 2-1: CRITERIA POLLUTANTS (1 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
CO	CO is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone (O_3), motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O_2) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O_2 transport and competing with O_2 to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O_2 supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O_2 deficiency) as seen at high altitudes.
SO_2	SO_2 is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant	Coal or oil burning power plants and industries,	A few minutes of exposure to low levels of SO_2 can result in airway constriction

TABLE 2-1: CRITERIA POLLUTANTS (2 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
SO_2 (Continued)	mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO_2 oxidizes in the atmosphere, it forms SO_4. Collectively, these pollutants are referred to as sulfur oxides (SO_X).	refineries, diesel engines	in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO_2. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO_2. Animal studies suggest that despite SO_2 being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO_2 levels. In these studies, efforts to separate the effects of SO_2 from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.

TABLE 2-1: CRITERIA POLLUTANTS (3 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
NO_2	NO_2 is a key component of nitrogen oxides (NO_X), which also includes nitric oxide (NO) and nitrous oxide (N_2O). NO_X compounds are primarily produced during combustion processes when nitrogen (N_2) reacts with oxygen (O_2). Both NO and NO_2 serve as precursors in the formation of O_3 and $PM_{2.5}$, making their monitoring crucial for air quality assessments. NO_2, being the more abundant form of NO_X in the atmosphere, has a relatively short lifespan of one to seven days, which enhances its significance as a major air pollutant. As a criteria air pollutant, NO_2 poses various health risks, including respiratory issues and increased vulnerability to infections. It also absorbs blue light, imparting a brownish-red hue to the atmosphere and contributing to reduced visibility and smog formation. Given that NO emissions largely convert to NO_2, the examination of NO_X emissions becomes essential when assessing potential air quality impacts. The concentrations of NO_2 are closely related to traffic density, often resulting in higher exposure levels for commuters in heavy traffic compared to what regional monitoring stations may indicate.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO_2 at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO_2 in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups. In animals, exposure to levels of NO_2 considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of O_3 exposure increases when animals are exposed to a combination of O_3 and NO_2.
O_3	O_3 is a highly reactive and unstable gas that is formed when VOCs and NO_X, both	Formed when ROGs and NO_X react in the	Individuals exercising outdoors, children, and people with preexisting lung

TABLE 2-1: CRITERIA POLLUTANTS (4 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
O_3 (Continued)	byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. O_3 concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.	presence of sunlight. ROG sources include any source that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and storage and pesticides.	disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible sub-groups for O_3 effects. Short-term exposure (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated O_3 levels are associated with increased school absences. In recent years, a correlation between elevated ambient O_3 levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and reside in communities with high O_3 levels. O_3 exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O_3 may be more toxic than exposure to O_3 alone. Although lung volume and resistance changes observed after a single exposure

TABLE 2-1: CRITERIA POLLUTANTS (5 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
O_3 (Continued)			diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.
Particulate Matter	PM_{10}: A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. Particulate matter pollution is a major cause of reduce visibility (haze) which is caused by the scattering of light and consequently the significant reduction air clarity. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. Additionally, it should be noted that PM_{10} is considered a criteria air pollutant. $PM_{2.5}$: A similar air pollutant to PM_{10} consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include SO_4 formed from SO_2 release from power plants and industrial facilities and nitrates that are formed from NO_X release from power plants, automobiles, and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and	Sources of PM_{10} include road dust, windblown dust and construction. Also formed from other pollutants (acid rain, NO_X, SO_X, organics). Incomplete combustion of any fuel. $PM_{2.5}$ comes from fuel combustion in motor vehicles, equipment, and industrial sources, residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_X, SO_X, organics).	A consistent correlation between elevated ambient fine particulate matter (PM_{10} and $PM_{2.5}$) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in lifespan, and an increased mortality from lung cancer. Daily fluctuations in $PM_{2.5}$ concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long term exposure to particulate matter.

TABLE 2-1: CRITERIA POLLUTANTS (6 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
Particulate Matter (Continued)	weather conditions. $PM_{2.5}$ is a criteria air pollutant.		The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM_{10} and $PM_{2.5}$.
Pb	Pb is a heavy metal that is highly persistent in the environment and is considered a criteria pollutant. In the past, the primary source of Pb in the air was emissions from vehicles burning leaded gasoline. The major sources of Pb emissions are ore and metals processing, particularly Pb smelters, and piston-engine aircraft operating on leaded aviation gasoline. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. It should be noted that the Project does not include operational activities such as metal processing or Pb acid battery manufacturing. As such, the Project is not anticipated to generate a quantifiable amount of Pb emissions.	Metal smelters, resource recovery, leaded gasoline, deterioration of Pb paint.	Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure. Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous

TABLE 2-1: CRITERIA POLLUTANTS (7 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
Pb (Continued)			environmental Pb exposure of their mothers.

2.4.2 Additional Pollutants

The SCAQMD's primary focus is to achieve the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) for criteria pollutants. However, it also has a broader mandate to control emissions of air contaminants and safeguard public health. As a result, SCAQMD regulates additional pollutants beyond criteria pollutants, including reactive organic gases (ROGs), VOCs, and odors. Additional pollutants, their typical sources, and health effects are identified below (5).

TABLE 2-2: ADDITIONAL POLLUTANTS (1 OF 2)

Pollutant	Description	Sources	Health Effects
VOC	VOCs are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form O_3 to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O_3, which is a	Organic chemicals are widely used as ingredients in household products. Paints, varnishes, and wax all contain organic solvents, as do many cleaning, disinfecting, cosmetic, degreasing and hobby products. Fuels are made up of organic chemicals. All of these products can release organic compounds while you are using them, and, to some degree, when they are stored.	Breathing VOCs can irritate the eyes, nose, and throat, can cause difficulty breathing and nausea, and can damage the central nervous system as well as other organs. Some VOCs can cause cancer. Not all VOCs have all these health effects, though many have several.

TABLE 2-2: ADDITIONAL POLLUTANTS (2 OF 2)

Pollutant	Description	Sources	Health Effects
VOC (Continued)	criteria pollutant. The terms VOC and ROG (see below) interchangeably.		
ROG	Similar to VOC, ROGs are also precursors in forming O_3 and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and NO_X react in the presence of sunlight. ROGs are a criteria pollutant since they are a precursor to O_3, which is a criteria pollutant. The terms ROG and VOC (see previous) interchangeably.	Sources similar to VOCs.	Health effects similar to VOCs.
Odor	Odor means the perception experienced by a person when one or more chemical substances in the air come into contact with the human olfactory nerves (6).	Odors can come from many sources including animals, human activities, industry, natures, and vehicles.	Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.5 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-3 (7).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this AQIA, the most recent state and federal standards were updated by CARB on July 16, 2024, and are presented in Table 2-3. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, PM_{10}, and $PM_{2.5}$ are not to be exceeded. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the state assigns attainment status. Attainment status for a pollutant means that the SCAQMD meets the standards set by the EPA or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, a State Implementation Plan (SIP) is drafted by CARB. The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the EPA will designate the area as a maintenance area (8).

TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards						
Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		—		
Fine Particulate Matter (PM2.5)[9]	24 Hour	—	—	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	9.0 µg/m^3	15.0 µg/m^3	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		53 ppb (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[11]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[11]	—	
Lead[12,13]	30 Day Average	1.5 µg/m^3	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m^3 (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m^3		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

See footnotes on next page ...

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California Air Resources Board (7/16/24)

TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (2 OF 2)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

9. On February 7, 2024, the national annual PM2.5 primary standard was lowered from 12.0 $\mu g/m^3$ to 9.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15.0 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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2.5 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for seven of the most common air pollutants: CO, Pb, O_3, PM_{10}, $PM_{2.5}$, NO_2, and SO_2 which are known as criteria pollutants. The SCAQMD monitors levels of various criteria pollutants at 35 permanent monitoring stations and 2 single-pollutant source Pb air monitoring sites throughout the air district (9). On January 25, 2024, CARB adopted the proposed 2023 amendments to the state and national area designations. See Table 2-4 for attainment designations for the SCAB (10). Appendix 2.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

TABLE 2-4: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB

Criteria Pollutant	State Designation	Federal Designation
O_3 - 1-hour standard	Nonattainment	--
O_3 - 8-hour standard	Nonattainment	Nonattainment
PM_{10}	Nonattainment	Attainment
$PM_{2.5}$	Nonattainment	Nonattainment
CO	Attainment	Unclassified/Attainment
NO_2	Attainment	Unclassified/Attainment
SO_2	Attainment	Unclassified/Attainment
PB[1]	Attainment	Unclassified/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB
"-" = no standard.

2.6 LOCAL AIR QUALITY

The SCAQMD has designated general forecast areas and air monitoring areas (referred to as Source Receptor Areas [SRA]) throughout the district in order to inform Southern California residents about the air quality conditions. The Project site is located within the Southwest San Bernardino Valley area (SRA 33). The Ontario Route 60 monitoring station is located approximately 2.61 miles northeast of the Project site and reports air quality statistics for NO_2 and $PM_{2.5}$. The Ontario Etiwanda monitoring station is located approximately 7.49 miles northeast of the Project site and reports air quality statistics for CO. The Pomona monitoring station is located approximately 8.12 miles northwest of the Project site and reports air quality statistics for O_3. The Fontana monitoring station is located approximately 10.42 miles northeast of the Project site and reports air quality statistics for PM_{10}.

The most recent three (3) years of data available is shown in Table 2-5 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Project site. Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ for 2022 through 2024 was obtained from the SCAQMD Air Quality Data Tables (11). Additionally, data for SO_2 has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO_2 concentrations.

TABLE 2-5: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2022-2024

Pollutant	Standard	Year		
		2022	2023	2024
O_3				
Maximum Federal 1-Hour Concentration (ppm)		0.131	0.147	0.143
Maximum Federal 8-Hour Concentration (ppm)		0.096	0.113	0.094
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	28	38	53
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	49	56	76
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	1.3	1.1	1.5
Maximum Federal 8-Hour Concentration	> 20 ppm	1.0	0.9	1.1
NO_2				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.085	0.076	0.076
Annual Federal Standard Design Value		0.029	0.027	0.026
PM_{10}				
Maximum Federal 24-Hour Concentration (µg/m³)	> 150 µg/m³	62	132	112
Annual Federal Arithmetic Mean (µg/m³)		31.5	33.0	37.0
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m³	0	0	0
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m³	8	9	48
$PM_{2.5}$				
Maximum Federal 24-Hour Concentration (µg/m³)	> 35 µg/m³	41.8	50.9	64.0
Annual Federal Arithmetic Mean (µg/m³)	> 12 µg/m³	12.20	12.04	13.74
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m³	1	1	10

ppm = Parts Per Million
µg/m³ = Microgram per Cubic Meter
Source: Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ was obtained from SCAQMD Air Quality Data Tables.

2.8 REGULATORY BACKGROUND

2.8.1 Federal Regulations

The EPA is responsible for setting and enforcing the NAAQS for O_3, CO, NO_X, SO_2, PM_{10}, and Pb (12). The EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of CARB. The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (13). The CAA also mandates that states submit and implement SIPs for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and

incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (14) (15). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O_3, NO_2, SO_2, PM_{10}, CO, $PM_{2.5}$, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O_3 and to adopt a NAAQS for $PM_{2.5}$. Table 2-4 (previously presented) provides the NAAQS within the SCAB. Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and NO_X. NO_X is a collective term that includes all forms of NO_X which are emitted as byproducts of the combustion process.

2.8.2 California Regulations

CARB

CARB, which became part of CalEPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. AB 2595 mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for SO_4, visibility, hydrogen sulfide (H_2S), and vinyl chloride (C_2H_3Cl). However, at this time, H_2S and C_2H_3Cl are not measured at any monitoring stations in the SCAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (16) (12). Local air quality management districts, such as the SCAQMD, regulate air emissions from stationary sources such as commercial and industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare Air Quality Management Plans (AQMP) that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a 5% or more annual reduction in emissions or 15% or more in a period of three years for ROGs, NO_X, CO and PM_{10}. However, air basins may use an alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

Title 24 Energy Efficiency Standards and California Green Building Standards

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code 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. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on August 1, 2009, and is administered by the California Building Standards Commission.

The 2022 California Title 24 Energy Standards became effective on January 1, 2023, with updates for the 2025 standards set to take effect on January 1, 2026. As the Project is expected to be completed in 2029, it will need to comply with the Title 24 Energy Standards in effect at that time, which may include further updates beyond the 2025 version.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2025 California Green Building Code Standards that go into effect on January 1, 2026. The Project would be required to comply with the applicable standards in place at the time plan check submittals are made.

2.8.3 Regional Regulations

Air Quality Management Plan

The Project site is located within the SCAB, which is characterized by relatively poor air quality. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. In December 2022, the SCAQMD released the *Final 2022 AQMP* (*2022 AQMP*). The *2022 AQMP* continues to evaluate current integrated strategies and control measures to meet the CAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (17). Similar to the 2016 AQMP, the *2022 AQMP* incorporates scientific and technological information and planning assumptions, including the *2020-2045 RTP/SCS*, a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements (18).

Diesel Regulations

CARB and the Ports of Los Angeles and Long Beach (POLA and POLB) have adopted several iterations of regulations for diesel trucks that are aimed at reducing DPM. More specifically, CARB Drayage Truck Regulation (19), CARB statewide On-road Truck and Bus Regulation (20), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of "clean trucks" into the statewide truck fleet (21). In other words, older more polluting trucks would be replaced with newer, cleaner trucks as a function of these regulatory requirements.

2.9 REGIONAL AIR QUALITY IMPROVEMENT

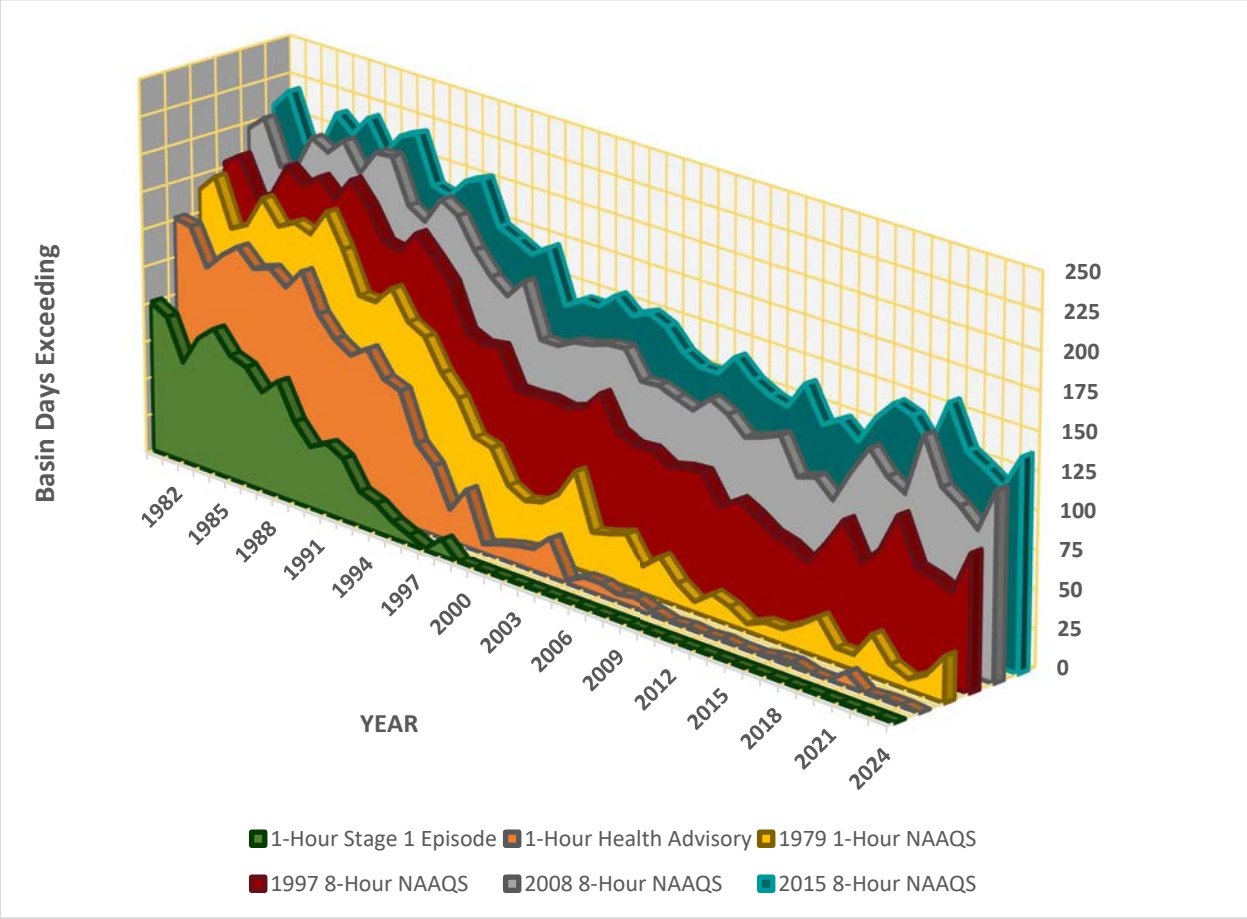
The Project is within the jurisdiction of the SCAQMD. In 1976, California adopted the Lewis Air Quality Management Act which created SCAQMD from a voluntary association of air pollution control districts in Los Angeles, Orange, Riverside, and San Bernardino counties. The geographic area of which SCAQMD consists of is known as the SCAB. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably available control measures.

SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in SCAB air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout the SCAB, such as is occurring here. Industrial emission sources have been significantly reduced by this approach and vehicular emissions have been reduced by technologies implemented at the state level by CARB.

As discussed above, the SCAQMD is the lead agency charged with regulating air quality emission reductions for the entire SCAB. SCAQMD created AQMPs which represent a regional blueprint for achieving healthful air on behalf of the 16 million residents of the SCAB. The 2012 AQMP states, "the remarkable historical improvement in air quality since the 1970s is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs" (22).

Emissions of O_3, NO_X, VOC, and CO have been decreasing in the SCAB since 1975 and are projected to continue to decrease through 2024 (23). It should be noted that these trends have been observed over a period of decades, and due to shorter term meteorological conditions as well as events such as wildfires, are not always borne out in short-term data for individual monitoring stations, as shown previously in Table 2-5. These decreases result primarily from motor vehicle controls and reductions in evaporative emissions. Although vehicle miles traveled (VMT) in the SCAB continue to increase, NO_X and VOC levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_X emissions from electric utilities have also decreased due to use of cleaner fuels and renewable energy. O_3 contour maps show that the number of days exceeding the 8-hour NAAQS has generally decreased between 1980 and 2024. For 2024, there was an overall decrease in exceedance days compared with the 1980 period. As shown in Table 2-6, O_3 levels in the SCAB have decreased substantially over the last 30 years with the current maximum measured concentrations being approximately one-third of concentrations within the late 70s (24).

TABLE 2-6: SCAB O_3 TREND

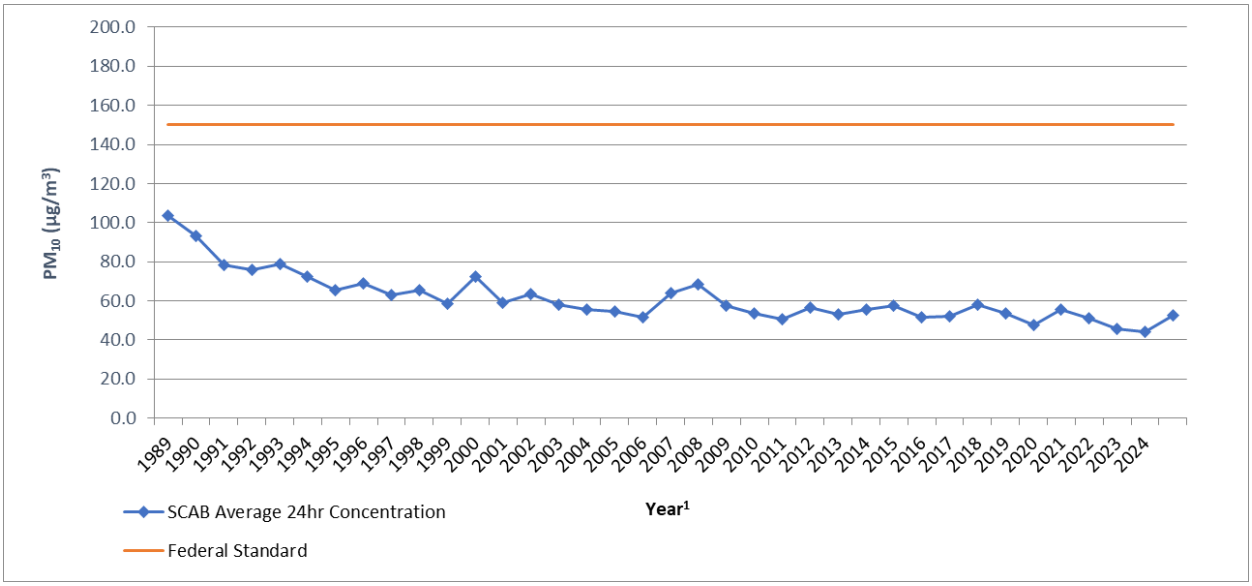


Source: 2025 SCAQMD, Historical O_3 Air Quality Trends (1976-2024)

The overall trends of PM_{10} and $PM_{2.5}$ levels in the air (not emissions) show an overall improvement since 1975. Direct emissions of PM_{10} have remained somewhat constant in the SCAB and direct emissions of $PM_{2.5}$ have decreased slightly since 1975. Area wide sources (fugitive dust from roads, dust from construction, and other sources) contribute the greatest amount of direct particulate matter emissions.

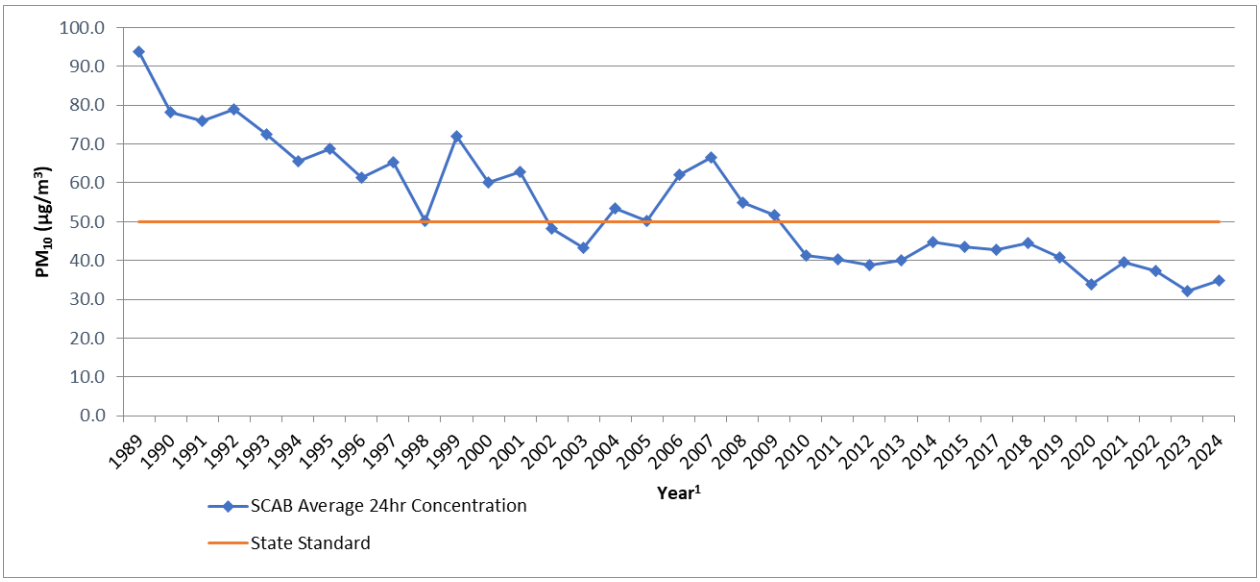
As with other pollutants, the most recent PM_{10} statistics show an overall improvement as illustrated in Tables 2-7 and 2-8. During the period for which data are available (1988-2023), the 24-hour national annual average concentration for PM_{10} decreased by approximately 50%, from 103.7 microgram per cubic meter (µg/m³) in 1988 to 52.4 µg/m³ in 2024 (25). Although the values are below the federal standard, it should be noted that there are days within the year where the concentrations would exceed the threshold. The 24-hour state annual average for emissions for PM_{10}, have decreased by approximately 63%, from 93.9 µg/m³ in 1989 to 34.9 µg/m³ in 2024 (25). Although data in the late 1990s show some variability, this is probably due to the advances in meteorological science rather than a change in emissions. Similar to the ambient concentrations, the calculated number of days above the 24-hour PM_{10} standards has also shown an overall drop.

TABLE 2-7: SCAB AVERAGE 24-HOUR CONCENTRATION PM_{10} TREND (FEDERAL)[1]



Source: 2025 CARB, iADAM: Top Four Summary: PM_{10} 24-Hour Averages (1988-2024)
[1] Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

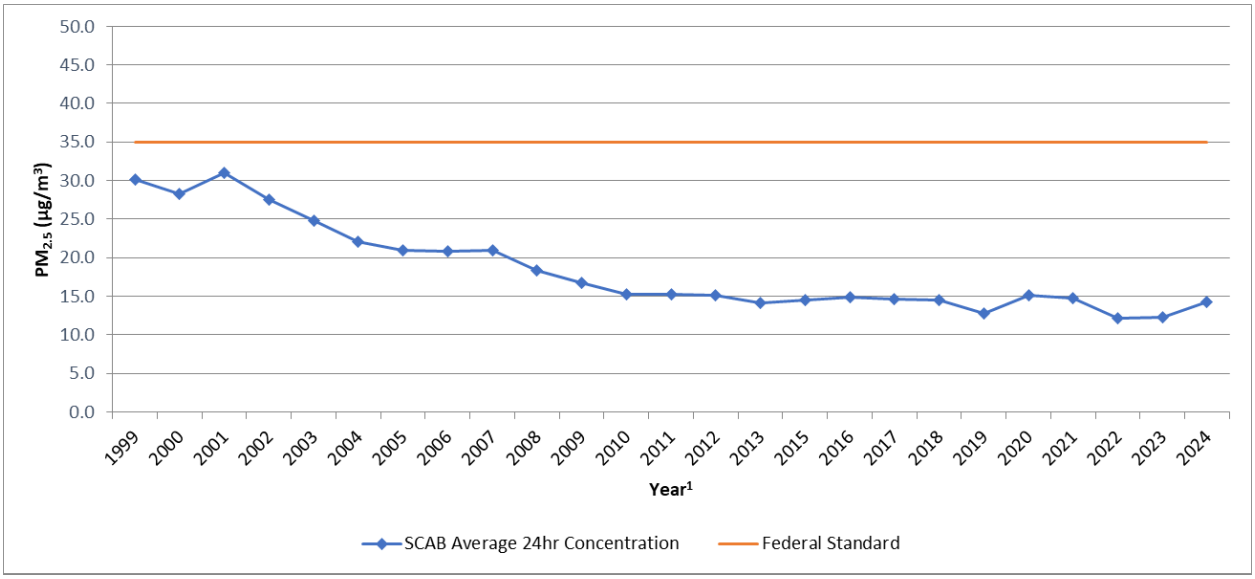
TABLE 2-8: SCAB AVERAGE 24-HOUR CONCENTRATION PM_{10} TREND (STATE)[1]



Source: 2025 CARB, iADAM: Top Four Summary: PM_{10} 24-Hour Averages (1989-2024)
[1] Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

Tables 2-9 and 2-10 show the most recent 24-hour average and annual $PM_{2.5}$ concentrations in the SCAB. Overall, the national and state annual average concentrations have decreased by almost 53% and 46% respectively (25). It should be noted that the SCAB is currently designated as nonattainment for the state and federal $PM_{2.5}$ standards.

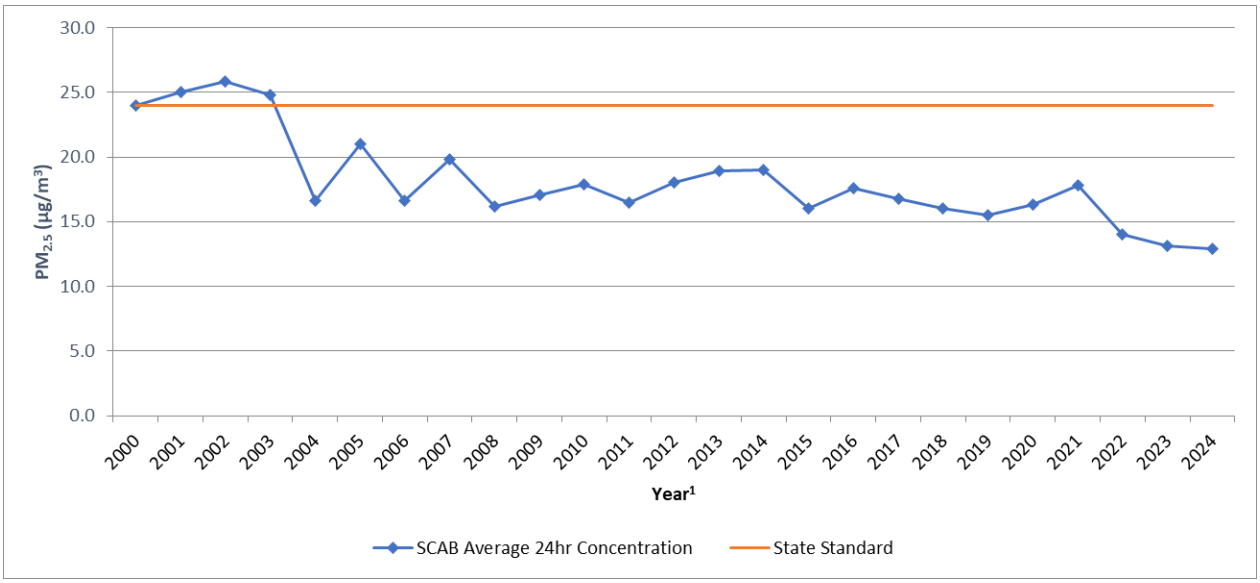
TABLE 2-9: SCAB AVERAGE 24-HOUR CONCENTRATION $PM_{2.5}$ TREND (FEDERAL)[1]



Source: 2025 CARB, iADAM: Top Four Summary: $PM_{2.5}$ 24-Hour Averages (1988-2024)

[1] Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

TABLE 2-10: SCAB AVERAGE 24-HOUR CONCENTRATION $PM_{2.5}$ TREND (STATE)[1]



Source: 2025 CARB, iADAM: Top Four Summary: $PM_{2.5}$ 24-Hour Averages (1999-2024)

[1] Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

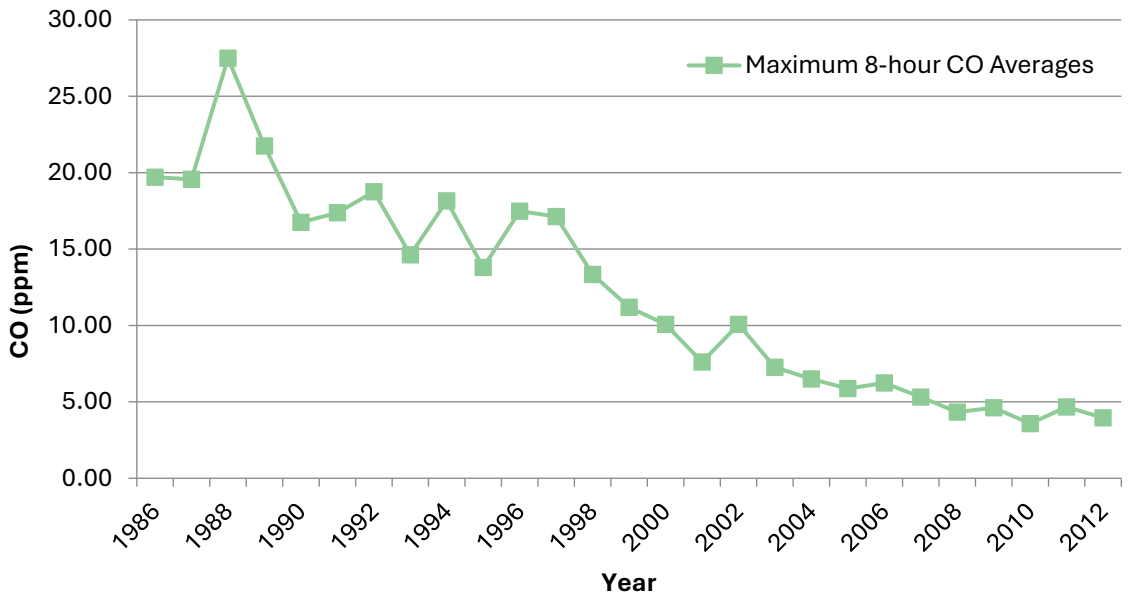
While the 2012 AQMP PM_{10} attainment demonstration and the 2015 associated supplemental SIP submission indicated that attainment of the 24-hour standard was predicted to occur by the end of 2015, it could not anticipate the effect of the ongoing drought on the measured $PM_{2.5}$. The 2006 to 2010 base period used for the 2012 attainment demonstration had near-normal rainfall. While the trend of $PM_{2.5}$-equivalent emission reductions continued through 2015, the severe drought conditions contributed to the $PM_{2.5}$ increases observed after 2012. As a result of the disrupted

progress toward attainment of the federal 24-hour $PM_{2.5}$ standard, SCAQMD submitted a request and the EPA approved, in January 2016, a "bump up" to the nonattainment classification from "moderate" to "serious," with a new attainment deadline as soon as practicable, but not beyond December 31, 2019. As of March 14, 2019, the EPA approved portions of a SIP revision submitted by California to address CAA requirements for the 2006 24-hour $PM_{2.5}$ NAAQS in the Los Angeles-SCAB Serious $PM_{2.5}$ nonattainment area. The EPA also approved 2017 and 2019 motor vehicle emissions budgets for transportation conformity purposes and inter-pollutant trading ratios for use in transportation conformity analyses (26).

In December 2022, the SCAQMD released the Final 2022 AQMP. The 2022 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (27). Similar to the 2016 AQMP, the 2022 AQMP incorporates scientific and technological information and planning assumptions, including the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (2020-2045 RTP/SCS) and updated emission inventory methodologies for various source categories (28).

The most recent CO concentrations in the SCAB are shown in Table 2-11 (25). CO concentrations in the SCAB have decreased markedly — a total decrease of more about 80% in the peak 8-hour concentration from 1986 to 2012. It should be noted 2012 is the most recent year where 8-hour CO averages and related statistics are available in the SCAB. The number of exceedance days has also declined. The entire SCAB is now designated as attainment for both the state and national CO standards. Ongoing reductions from motor vehicle control programs should continue the downward trend in ambient CO concentrations.

TABLE 2-11: SCAB 8-HOUR AVERAGE CONCENTRATION CO TREND[1]

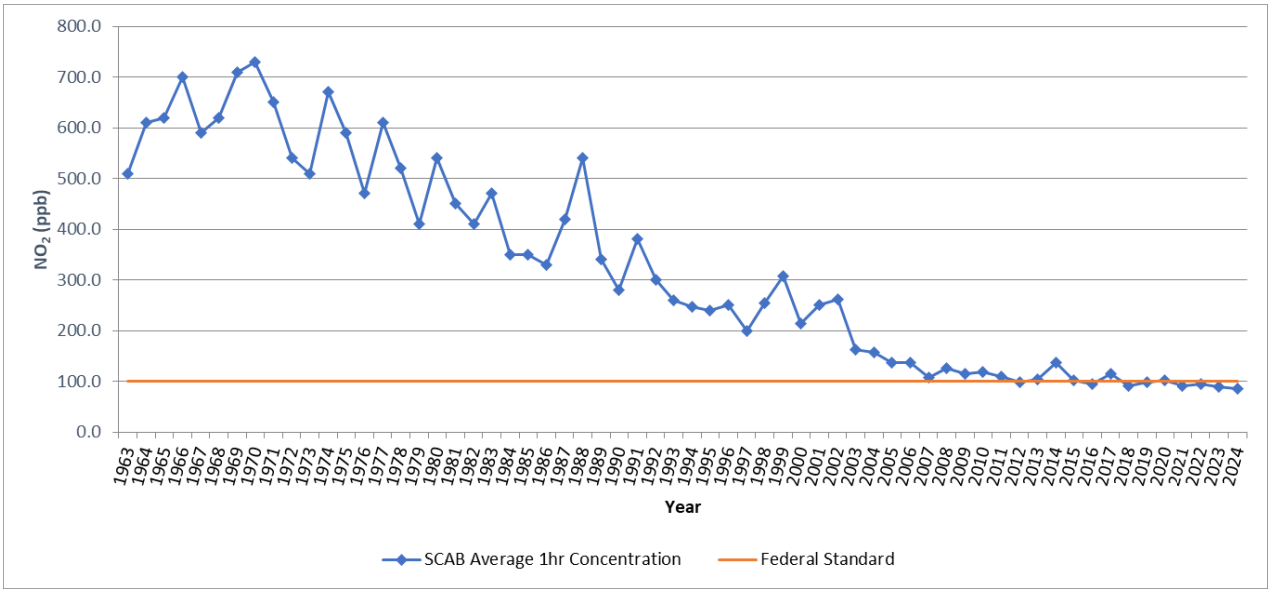


Source: 2024 CARB, iADAM: Top Four Summary: CO 8-Hour Averages (1986-2012)
[1] The most recent year where 8-hour concentration data is available is 2012.

Part of the control process of the SCAQMD's duty to greatly improve the air quality in the SCAB is the uniform CEQA review procedures recommended in the SCAQMD's *CEQA Air Quality Handbook (1993)* (*1993 CEQA Handbook*) (29). The single threshold of significance used to assess Project direct and cumulative impacts has in fact "worked" as evidenced by the track record of the air quality in the SCAB dramatically improving over the course of the past decades. As stated by the SCAQMD, the SCAQMD's thresholds of significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

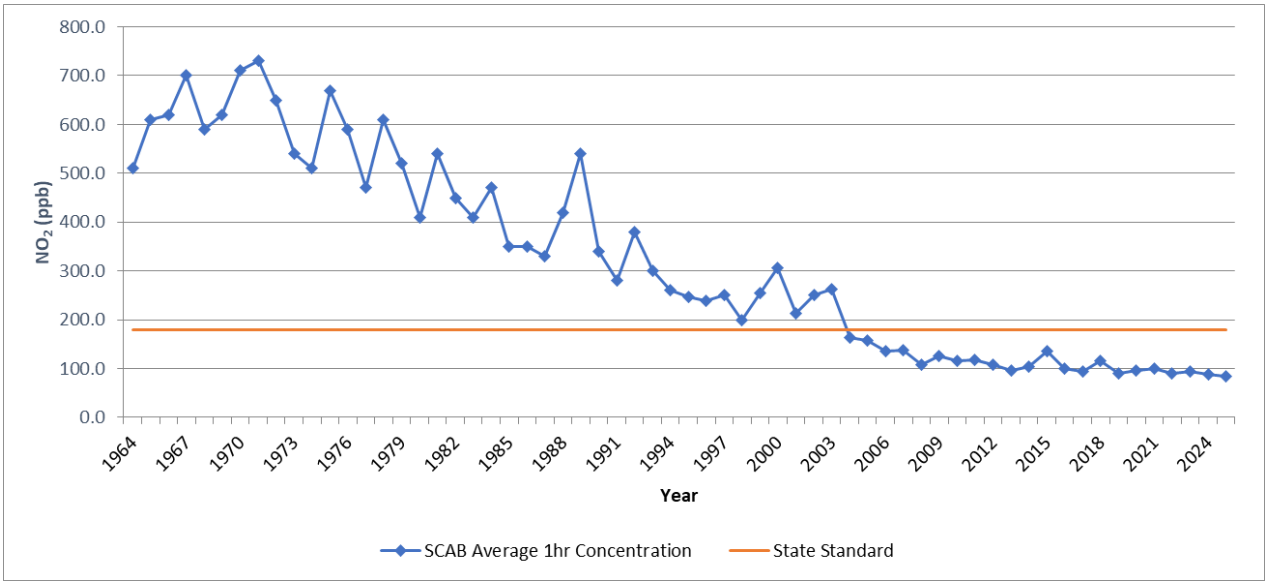
The most recent NO_2 data for the SCAB is shown in Tables 2-12 and 2-13 (25). Over the last 50 years, NO_2 values have decreased significantly; the peak 1-hour national and state averages for 2024 is approximately 83% lower than what it was during 1963. The SCAB attained the State 1-hour NO_2 standard in 1994, bringing the entire state into attainment. A new state annual average standard of 0.030 ppm was adopted by CARB in February 2007 (30). The new standard is just barely exceeded in the SCAB. NO_2 is formed from NO_X emissions, which also contribute to O_3. As a result, the majority of the future emission control measures would be implemented as part of the overall O_3 control strategy. Many of these control measures would target mobile sources, which account for more than three-quarters of California's NO_X emissions. These measures are expected to bring the SCAB into attainment of the state annual average standard.

TABLE 2-12: SCAB 1-HOUR AVERAGE CONCENTRATION NO_2 TREND (FEDERAL)



Source: 2025 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2024)

TABLE 2-13: SCAB 1-HOUR AVERAGE CONCENTRATION NO_2 TREND (STATE)



Source: 2025CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2024)

2.9.1 Toxic Air Contaminants (TAC) Trends

In 1984, as a result of public concern for exposure to airborne carcinogens, CARB adopted regulations to reduce the amount of TAC emissions resulting from mobile and area sources, such as cars, trucks, stationary sources, and consumer products. According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article (31) which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (between 1990 and 2012). The seven TACs studied include those that are derived from mobile sources: diesel particulate matter (DPM), benzene (C_6H_6), and 1,3-butadiene (C_4H_6); those that are derived from stationary sources: perchloroethylene (C_2Cl_4) and hexavalent chromium (Cr(VI)); and those derived from photochemical reactions of emitted VOCs: formaldehyde (CH_2O) and acetaldehyde (C_2H_4O).[1] The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

2.9.2 Mobile Source TACs

CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. In California, light-duty vehicles sold after 1996 are equipped with California's second-generation On-Board Diagnostic (OBD-II) system. The OBD-II system monitors virtually every component that can affect the emission performance of the vehicle to ensure that the vehicle remains as clean as possible over its entire life and assists repair technicians in diagnosing and fixing problems with the computerized engine controls. If a problem is detected, the OBD-II system illuminates a warning lamp on the vehicle instrument panel to alert the driver. This warning lamp typically contains the phrase "Check Engine" or "Service Engine Soon."

[1] It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

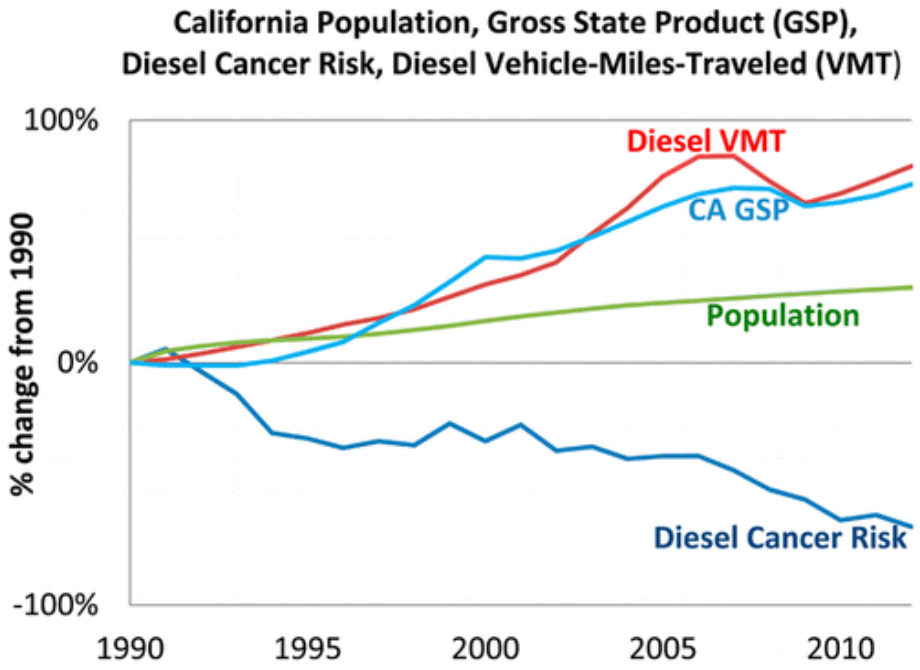
The system would also store important information about the detected malfunction so that a repair technician can accurately find and fix the problem. CARB has recently developed similar OBD requirements for heavy-duty vehicles over 14,000 pounds (lbs). CARB's phase II Reformulated Gasoline Regulation (RFG-2), adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the use of reformulated gasoline and motor vehicle regulations (31).

In 2000, CARB's Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15 ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68% since 2000, even though the state's population increased 31% and the amount of diesel vehicles miles traveled increased 81%, as shown on Exhibit 2-B. With the implementation of these diesel-related control regulations, CARB expects a DPM decline of 71% for 2000-2020.

2.9.3 Diesel Regulations

CARB and the Ports of Los Angeles and Long Beach (POLA and POLB) have adopted several iterations of regulations for diesel trucks that are aimed at reducing DPM. More specifically, CARB Drayage Truck Regulation (19), CARB statewide On-road Truck and Bus Regulation (20), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of "clean trucks" into the statewide truck fleet (21). In other words, older more polluting trucks would be replaced with newer, cleaner trucks as a function of these regulatory requirements. Moreover, the average statewide DPM emissions for Heavy Duty Trucks (HDT), in terms of grams of DPM generated per mile traveled, would dramatically be reduced due to the aforementioned regulatory requirements. Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND



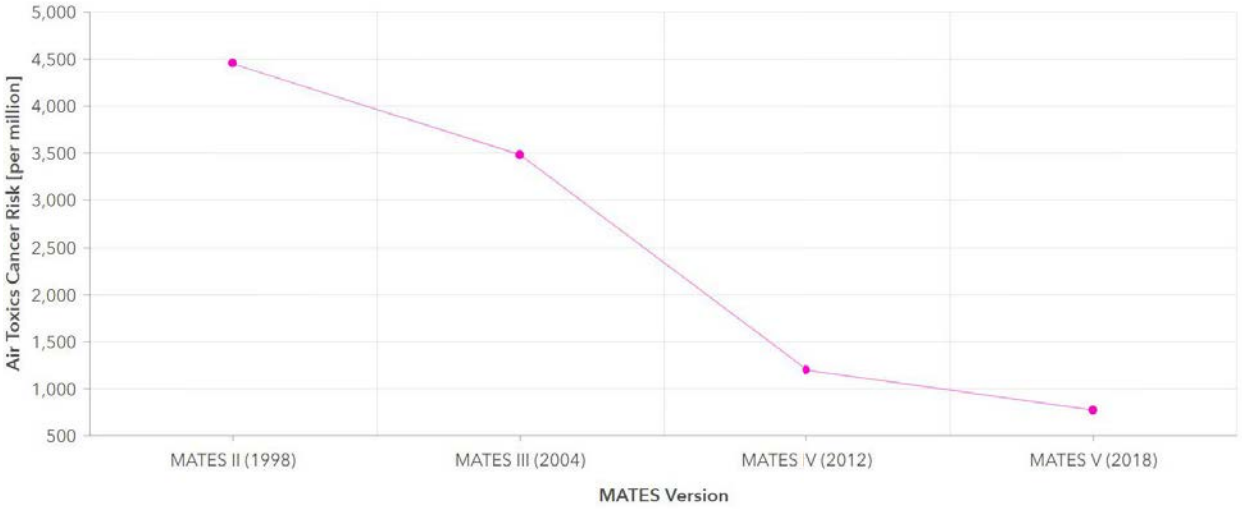
Source: 2020 CARB

2.9.4 Cancer Risk Trends

Based on information available from CARB, overall cancer risk throughout the SCAB has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, CARB identified particulate matter from diesel-fueled engines as a toxic air contaminant. The SCAQMD initiated a comprehensive urban toxic air pollution study called the Multiple Air Toxics Exposure Study (MATES). DPM accounts for more than 70% of the cancer risk.

In January 2018, as part of the overall effort to reduce air toxics exposure in the SCAB, SCAQMD began conducting the MATES V Program. MATES V field measurements were conducted at ten fixed sites (the same sites selected for MATES III and IV) to assess trends in air toxics levels. MATES V also included measurements of ultrafine particles (UFP) and black carbon (BC) concentrations, which can be compared to the UFP levels measured in MATES IV (32). The final report for the MATES V study was published August 2021. In addition to new measurements and updated modeling results, several key updates were implemented in MATES V. First, MATES V estimates cancer risks by taking into account multiple exposure pathways, which includes inhalation and non-inhalation pathways. This approach is consistent with how cancer risks are estimated in South Coast AQMD's programs such as permitting, Air Toxics Hot Spots (AB2588), and CEQA. Previous MATES studies quantified the cancer risks based on the inhalation pathway only. Second, along with cancer risk estimates, MATES V includes information on the chronic non-cancer risks from inhalation and non-inhalation pathways for the first time. Cancer risks and chronic non-cancer risks from MATES II through IV measurements have been re-examined using current Office of Environmental Health Hazard Assessment (OEHHA) and CalEPA risk assessment methodologies and modern statistical methods to examine the trends over time (33). Exhibit 2-B illustrates the MATES V Risk trends for the nearest available monitoring site to the Project.

EXHIBIT 2-B: MATES V RISK MAP



The reductions in cancer and non-cancer risks and heavy truck-related air quality emissions within the SCAB also has been documented in a technical memorandum prepared by Ramboll US Consulting, Inc. This technical memorandum, which is herein incorporated by reference pursuant to CEQA Guidelines § 15150, is entitled, "Technical Comments in Response to the December 2022 Report Titled A Region In Crisis: The Rationale For A Public Health State Of Emergency In The Inland Empire" (herein, "Ramboll Report"), is dated February 13, 2023 (34). As demonstrated by the Ramboll Report, emissions of DPM and NO_X and VMT from heavy truck trips have consistently declined within the Inland Empire (IE) and are expected to continue to decline through at least 2040 (35). The Ramboll Report also notes that "[e]xisting regulatory requirements have reduced PM and NO_X emissions from trucks in the IE by 94% and 82% respectively from 2000 to 2023," and further notes that "[a]dditional reductions of PM (7%) and NO_X (27%) emissions are expected to occur from 2023 to 2040 as a result of the recently adopted Low NO_X Heavy-Duty Omnibus and ACT regulations that are already transitioning the diesel vehicles to cleaner technologies including Zero Emission (ZE) trucks."

The Ramboll Report also demonstrates that the DPM emissions from trucks operating in the IE were reduced by 77% from 2016 to 2023 and shows that the DPM emissions from Transport Refrigeration Units (TRUs) operating in the IE also have been reduced by 39% since 2016. This reduction in DPM emission rates has resulted in a corresponding significant reduction in risk as well, despite increasingly conservative regulatory guidance in the preparation of HRAs, particularly OEHHA's adoption of age sensitivity factors in their revised HRA guidance released in 2015. Moreover, the results of Ramboll's study showed an estimated basin-wide air toxics cancer risk of 336 in a million in 2023, representing a 20% reduction as compared to 2018 when the basin average air toxics cancer risk was estimated at 424 in a million, as reported by MATES V. The Ramboll Report concludes that "substantial air quality improvements have occurred and will continue to occur based on existing regulatory requirements and the transition to ZE trucks as they become more commercially available will only further improve an already dramatically improved air quality environment." (35)

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3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

This study quantifies air quality emissions generated by construction and operation of the Project and addresses whether the Project conflicts with implementation of the SCAQMD's AQMP and Lead Agency planning regulations. The analysis of Project-generated air emissions determines whether the Project would result in a cumulatively considerable net increase of any criteria pollutant for which the SCAB is in non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine whether the Project would expose sensitive receptors to substantial pollutant concentrations and the impacts of odors. The significance of these potential impacts is described in the following sections.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *CEQA Guidelines* (14 CCR §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (1):

- 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 non-attainment under an applicable federal or state 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.

The SCAQMD has developed regional and localized significance thresholds for criteria pollutants, as summarized at Table 3-1 (36). The SCAQMD's CEQA Air Quality Significance Thresholds (March 2023) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 3-1: REGIONAL EMISSIONS SIGNIFICANCE THRESHOLDS

Pollutant	Construction	Operations
NO_X	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM_{10}	150 lbs/day	150 lbs/day
$PM_{2.5}$	55 lbs/day	55 lbs/day
SO_X	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb	3 lbs/day	3 lbs/day

lbs/day = Pounds Per Day
ppm = Parts Per Million
$\mu g/m^3$ = Micrograms Per Cubic Meter

TABLE 3-2: LOCALIZED EMISSIONS SIGNIFICANCE THRESHOLDS

Pollutant	Construction	Operations
NO_X	0.18 ppm	0.18 ppm
CO (1-hour average)	20 ppm	20 ppm
CO (8-hour average)	9 ppm	9 ppm
PM_{10}	10.4 µg/m^3	2.5 µg/m^3
$PM_{2.5}$	10.4 µg/m^3	2.5 µg/m^3

3.3 MODELS EMPLOYED TO ANALYZE AIR QUALITY

3.3.1 CalEEMod

Land uses such as the Project affect air quality through construction-source and operational-source emissions. The California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released CalEEMod 2022 in May 2022. CalEEMod periodically releases updates, as such the latest version available at the time of this report has been utilized in this analysis. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (37). Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 3.1 and 3.2.

3.4 CONSTRUCTION EMISSIONS

3.4.1 Construction Activities

Construction activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Construction-related emissions are expected from the following construction activities:

- Demolition/Crushing
- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

Demolition Activities

Demolition of existing structures located on the Project site would occur at the start of construction for each phase. Based on data provided by the Project applicant, it is estimated that approximately 880 tons of material would be removed from the site during Phase 1 demolition, 440 tons of material would be removed during Phase 2 demolition, and 1,000 tons of material would be removed during Phase 3 demolition.

Crushing Activities

The Project is expected to crush existing concrete and asphalt material on-site, which will be used to back fill the site. Based on data provided by the Applicant, it is anticipated that 5,500 tons of material would be crushed during Phase 1 demolition activities, 6,120 tons during Phase 2 demolition activities, and 2,030 tons during Phase 3 demolition activities. Fugitive dust emissions would be generated through the crushing of material on-site. The US EPA's AP-42 compilation of emission factors available in Chapter 11.19.2-2 were used to estimate fugitive dust from crushing activities. It is estimated that Phase 1 crushing activities would result in 1.33 pounds per day of PM_{10} emissions and 0.24 pounds of $PM_{2.5}$ emissions per day. Phase 2 crushing activities would result in 1.48 pounds per day of PM_{10} emissions and 0.26 pounds of $PM_{2.5}$ emissions per day. Phase 3 crushing activities would result in 0.89 pounds per day of PM_{10} emissions and 0.16 pounds of $PM_{2.5}$ emissions per day. PM_{10} and $PM_{2.5}$ emissions from crushing were added to regional construction emissions presented on Tables 3-6, 3-7, and 3-8. Additional details on the emissions calculation associated with crushing are provided in Appendix 3.4.

Grading Activities

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called "fugitive emissions." Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. Based on consultation with the project team, it is estimated that approximately 50,595 cubic yards (CY) of material export would occur during Phase 1, and approximately 149,475 CY of material would be imported during Phases 2 and 3 of construction.

Off-Site Infrastructure Improvements

In addition, to support the Project development, there will be paving for off-site improvements associated with roadway construction and utility installation for the Project. It is expected that the off-site construction activities would not take place at one location for the entire duration of construction. Specifically, off-site improvement areas are located within unimproved and partially improved rights-of-ways (ROWs).

Impacts associated with these activities are not expected to exceed the emissions identified for Project-related construction activities since the off-site construction areas would have physical constraints on the amount of daily activity that could occur. The physical constraints would limit the amount of construction equipment that could be used, and any off-site and utility infrastructure construction would not use equipment totals that would exceed the equipment totals in Tables 3-8, 3-9, and 3-10. As such, no impacts beyond what has already been identified in this report are expected to occur.

3.4.2 Construction Duration

For purposes of analysis, Project construction will begin in January 2027 and would be completed in June 2031 The construction schedule utilized in the analysis, shown in Table 3-3, represents a "conservative" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to

emission regulations becoming more stringent.[2] The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (38).

TABLE 3-3: CONSTRUCTION DURATION

Phase	Construction Activity	Start Date	End Date	Days
1	Demolition	1/1/2027	2/18/2027	35
	Site Preparation	2/19/2027	3/18/2027	20
	Grading	3/19/2027	6/3/2027	55
	Building Construction	6/4/2027	6/30/2028	281
	Paving	1/8/2028	6/30/2028	125
	Architectural Coating	1/8/2028	6/30/2028	125
2	Demolition	7/1/2028	8/18/2028	35
	Site Preparation	8/19/2028	9/15/2028	20
	Grading	9/16/2028	12/1/2028	55
	Building Construction	12/2/2028	12/31/2029	281
	Paving	7/10/2029	12/31/2029	125
	Architectural Coating	7/10/2029	12/31/2029	125
3	Demolition	1/1/2030	2/18/2030	35
	Site Preparation	2/19/2030	3/18/2030	20
	Grading	3/19/2030	6/3/2030	55
	Building Construction	6/4/2030	6/30/2031	280
	Paving	2/11/2031	6/30/2031	100
	Architectural Coating	2/11/2031	6/30/2031	100

3.4.3 Construction Equipment

Site specific construction fleet may vary due to specific project needs at the time of construction. The associated construction equipment was generally based on data provided by the Project applicant. Consistent with industry standards and typical construction practices, each piece of equipment is assumed to operate up to a total of eight (8) hours per day. Table 3-4 presents the anticipated construction equipment that would be used during each phase Project construction. It is assumed that Phases 1, 2, and 3 would each utilize the same types and quantities of equipment.

[2] As shown in the CalEEMod User's Guide Version 2022, Appendix G "Table G-11. Statewide Average Annual Offroad Equipment Emission Factors"as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS – PHASES 1, 2, AND 3

Construction Activity	Equipment	Quantity	Hours
Demolition	Tractors/Loaders/Backhoes	6	8
	Excavators	2	8
	Other Material Handling Equipment	2	8
	Off-Highway Trucks	2	8
Site Preparation	Rubber Tired Dozers	3	8
	Crawler Tractors	4	8
Grading	Graders	4	8
	Excavators	2	8
	Rubber Tired Dozers	4	8
	Off-Highway Trucks	2	8
	Crawler Tractors	2	8
Building Construction	Forklifts	3	8
	Generator Sets	2	8
	Cranes	2	8
	Welders	2	8
	Tractors/Loaders/Backhoes	3	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	3	8

3.4.4 On-Road Trips

Construction generates on-road vehicle emissions from vehicle usage for workers, vendors, and haul trucks commuting to and from the site. The number of worker, vendor, and hauling trips per phase is presented below in Table 3-5. Worker and hauling trips are based on CalEEMod defaults. It should be noted that for vendor trips specifically, CalEEMod only assigns vendor trips to the Building Construction phase. In practice, vendor trips are expected to occur throughout various phases of construction, not just during Building Construction. To more accurately reflect this, the vendor trips initially allocated to the Building Construction phase were redistributed across other non-overlapping construction activities. This reallocation was done proportionally, based on the duration of each phase, ensuring that vendor trips are appropriately spread across all applicable construction phases that do not occur simultaneously.

TABLE 3-5: CONSTRUCTION TRIP ASSUMPTIONS

Phase	Construction Activity	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
1	Demolition	30	16	7
	Site Preparation	18	9	0
	Grading	35	25	115
	Building Construction	742	127	0
	Paving	15	57	0
	Architectural Coating	148	57	0
2	Demolition	30	10	4
	Site Preparation	18	6	0
	Grading	35	16	170
	Building Construction	472	82	0
	Paving	15	36	0
	Architectural Coating	94	36	0
3	Demolition	30	6	7
	Site Preparation	18	3	0
	Grading	35	9	170
	Building Construction	246	46	0
	Paving	15	16	0
	Architectural Coating	49	16	0

3.4.5 Construction Emissions Summary

Impacts Without Mitigation

CalEEMod calculates maximum daily emissions for summer and winter periods. As such, the estimated maximum daily construction emissions without mitigation for both summer and winter periods are summarized in Tables 3-6, 3-7, and 3-8 for Phases 1, 2, and 3, respectively. Detailed construction model outputs are presented in Appendices 3.1 through 3.3. Under the assumed scenarios, emissions resulting from the Project construction would not exceed any criteria pollutant thresholds established by the SCAQMD.

TABLE 3-6: CONSTRUCTION EMISSIONS SUMMARY – PHASE 1

Year	Emissions (lbs/day)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Summer						
2027	3.74	43.89	73.96	0.16	11.30	4.72
2028	52.10	39.28	96.70	0.11	14.67	4.01
Winter						
2027	3.54	44.32	70.00	0.16	12.63	4.96
2028	51.89	39.64	82.82	0.11	14.67	4.01
Maximum Daily Emissions	52.10	44.32	96.70	0.16	14.67	4.96
SCAQMD Regional Thresholds	75	100	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendices 3.1 through 3.3.

TABLE 3-7: CONSTRUCTION EMISSIONS SUMMARY – PHASE 2

Year	Emissions (lbs/day)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Summer						
2028	1.74	47.34	72.38	0.19	13.31	5.28
2029	50.64	35.10	72.64	0.09	9.62	2.79
Winter						
2028	2.41	47.92	71.89	0.19	11.83	5.02
2029	50.26	35.53	64.37	0.09	9.62	2.79
Maximum Daily Emissions	50.64	47.92	72.64	0.19	13.31	5.28
SCAQMD Regional Thresholds	75	100	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendices 3.1 through 3.3.

TABLE 3-8: CONSTRUCTION EMISSIONS SUMMARY – PHASE 3

Year	Emissions (lbs/day)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Summer						
2030	1.71	46.19	71.43	0.19	12.66	5.16
2031	61.19	31.76	53.23	0.08	5.41	1.76
Winter						
2030	1.69	46.71	71.02	0.19	11.77	5.00
2031	61.13	31.86	49.40	0.08	5.41	1.76
Maximum Daily Emissions	61.19	46.71	71.43	0.19	12.66	5.16
SCAQMD Regional Thresholds	75	100	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendices 3.1 through 3.3.

3.5 OPERATIONAL EMISSIONS

Operational activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Operational emissions are expected from the following primary sources:

- Mobile Source Emissions;
- Area Source Emissions;
- Energy Source Emissions;
- Stationary Source Emissions; and
- Cargo Handling Source Emissions.

3.5.1 Mobile Source Emissions

The Project related operational air quality emissions derived primarily from vehicle trips generated by the Project. Trip characteristics available from the *Eucalyptus Business Park Specific Plan Traffic Study Scoping Agreement* were utilized in this analysis (39).

Non-Industrial Fleet Mix and Trip Lengths

Because the Project traffic study does not categorize non-industrial trips by vehicle type, CalEEMod default parameters for trip lengths and fleet mix were used to determine mobile-source emissions from these uses. It should be noted that the CalEEMod default fleet mix includes a small number of truck trips to account for deliveries.

Industrial Fleet Mix and Trip Lengths – Passenger Vehicles

To determine emissions from passenger car vehicles, the CalEEMod defaults were utilized for trip length and trip purpose for the proposed industrial land uses.

This analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1[3] & LDT2[4]), Medium-Duty-Vehicles (MDV), and Motorcycles (MCY) vehicle types. To account for emissions generated by passenger cars, the following fleet mix was utilized in this analysis:

[3] Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

[4] Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

TABLE 3-9: PASSENGER VEHICLE FLEET MIX

Phase	Land Use	% Vehicle Type				
		LDA	LDT1	LDT2	MDV	MCY
1	Industrial Park Warehousing High-Cube Fulfillment Center (Sort)	53.76	4.06	23.41	16.53	2.24
2	Industrial Park Warehousing High-Cube Fulfillment Center (Sort)	53.53	3.96	23.79	16.49	2.23
3	Industrial Park Warehousing High-Cube Fulfillment Center (Sort) Manufacturing	53.07	3.79	24.49	16.46	2.19

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, MDV, and MCY vehicle types.

Industrial Fleet Mix and Trip Lengths – Trucks

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated truck trip lengths consistent with the Project Vehicle Miles Traveled (VMT) analysis and California Statewide Freight Forecasting Model (CSFFM) estimates (40). As such, the analysis utilized a trip length of 22.60 miles for 2-axle (LHDT1, LHDT2) trucks, 56.06 miles 3-axle (MHDT) trucks and 67.77 miles for 4+-axle (HHDT) trucks and weighted the average trip lengths using traffic trip percentages taken from the *Eucalyptus Business Park Specific Plan Traffic Study Scoping Agreement*. The modeled truck trip lengths for each phase and industrial use is presented in Table 3-10. This trip length assumption is higher than the CalEEMod defaults for trucks.

In order to be consistent with the *Eucalyptus Business Park Specific Plan Traffic Study Scoping Agreement*, trucks are broken down by truck type. The truck fleet mix is estimated by rationing the trip rates for each truck type based on information provided in the *Eucalyptus Business Park Specific Plan Traffic Study Scoping Agreement*. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1[5] & LHDT2[6])/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 3-10: TRUCK FLEET MIX

Phase	Land Use	Trip Length (miles)	% Vehicle Type			
			LHDT1	LHDT2	MHDT	HHDT
1	Industrial Park	57.63	13.39	3.68	20.73	62.20
	Warehousing	57.80	13.08	3.59	20.83	62.50
	High-Cube Fulfillment Center (Sort)	57.97	12.77	3.51	20.93	62.79

[5] Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

[6] Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

Phase	Land Use	Trip Length (miles)	% Vehicle Type			
			LHDT1	LHDT2	MHDT	HHDT
2	Industrial Park	57.69	13.25	3.64	20.95	62.16
	Warehousing	57.80	13.07	3.60	20.83	62.50
	High-Cube Fulfillment Center (Sort)	57.71	13.24	3.64	20.78	62.34
3	Industrial Park	57.65	13.35	3.67	20.75	62.23
	Warehousing	57.78	13.07	3.60	21.01	62.32
	High-Cube Fulfillment Center (Sort)	57.73	13.07	3.60	21.43	61.90
	Manufacturing	57.87	12.85	3.54	21.31	62.30

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

Fugitive Dust Related to Vehicular Travel

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of brake and tire wear particulates. The emissions estimate for travel on paved roads was calculated using CalEEMod.

On-Road Mobile Source Emissions Modeling Methodology

EMFAC 2021 and Off-Model Adjustment Factors

On-road mobile source emissions for the Project were estimated using the California Air Resources Board's (CARB's) EMFAC 2021 model. EMFAC 2021 is the most recent version of EMFAC approved by the U.S. Environmental Protection Agency (EPA) for use in State Implementation Plans (SIPs) and federal transportation conformity determinations, and it remains the standard analytical platform for regional air quality planning in California.

In addition to the base EMFAC 2021 outputs, this analysis applies EMFAC 2021 off-model adjustment factors developed by CARB and approved by EPA. These adjustment factors are multipliers applied to EMFAC 2021 emission estimates to account for the effects of certain mobile-source regulations or programs that are not fully embedded in the standard EMFAC 2021 model structure.

Specifically, EMFAC 2021 off-model adjustment factors are designed to add or remove emissions impacts associated with specific regulations or programs, ensure emissions inventories accurately reflect adopted control measures, and support regional air quality planning and transportation conformity analyses.

The adjustment factors address pollutants such as reactive organic gases (ROG), nitrogen oxides (NOx), and particulate matter (PM) and vary by geographic region, vehicle class, pollutant, and calendar year, as specified by CARB.

Examples of regulations and programs addressed through EMFAC 2021 off-model adjustment factors include Advanced Clean Trucks (ACT), the Heavy-Duty Omnibus Low-NOx Regulation, and the Heavy-Duty Inspection and Maintenance Program (Clean Truck Check). These factors were developed by CARB to ensure that the emissions impacts of these programs are properly reflected in EMFAC 2021–based inventories and were formally approved by EPA for SIP and conformity use.

Application of Adjustment Factors in This Analysis

For this Project, EMFAC 2021 off-model adjustment factors were applied to the base EMFAC 2021 outputs in accordance with CARB guidance. The adjustment factors modify emissions estimates to reflect the incremental effects of specific adopted regulations and programs relevant to the South Coast Air Basin.

This approach ensures that the emissions estimates are consistent with CARB-approved and EPA-approved planning methodologies, reflect regulatory programs applicable to heavy-duty vehicles that may not be fully captured in the base EMFAC 2021 model, and provide a technically robust basis for evaluating regional and localized air quality impacts.

Conservatism and Applicability Under CEQA

The use of EMFAC 2021 off-model adjustment factors is not required for CEQA purposes. CEQA does not mandate the use of EPA-approved models or SIP-specific adjustment techniques. Instead, CEQA requires a reasonable, good-faith effort to disclose a project's potential environmental impacts using methodologies supported by substantial evidence.

The decision to apply EMFAC 2021 off-model adjustment factors was made to be conservative and precautionary, even though such factors are primarily intended for federal SIP development and transportation conformity analyses. By incorporating these EPA-approved adjustment factors, the analysis avoids understating emissions that could result if certain regulatory impacts were omitted from the base model outputs.

Consistency with SCAQMD CEQA Practice

SCAQMD CEQA guidance recognizes the use of CARB's EMFAC model for estimating on-road mobile source emissions and does not prescribe a single mandatory modeling configuration for CEQA analyses. The application of EMFAC 2021 with CARB-developed, EPA-approved off-model adjustment factors falls within accepted professional practice and reflects a reasonable exercise of technical judgment.

In summary, the Project's on-road mobile source emissions analysis is based on EMFAC 2021, applies CARB-developed and EPA-approved off-model adjustment factors, reflects a conservative analytical approach, exceeds CEQA requirements, and provides a defensible basis for evaluating air quality impacts in the South Coast Air Basin.

3.5.2 Area Source Emissions

Architectural Coatings

Over a period of time the buildings that are part of this Project would require maintenance and would therefore produce emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings. The emissions associated with architectural coatings were calculated using CalEEMod.

Consumer Products

Consumer products include, but are not limited to, detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form O_3 and other photochemically

reactive pollutants. The emissions associated with the use of consumer products were calculated based on defaults provided within CalEEMod.

Landscape Maintenance Equipment

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shedders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. It should be noted that on October 9, 2021, Governor Gavin Newsom signed AB 1346. The bill aims to ban the sale of new gasoline-powered equipment under 25 gross HP (known as small off-road engines [SOREs]) by January 1, 2024, which is now in effect. However, for purposes of analysis, the emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod, and do not incorporate the emissions reductions that would be realized from implementation of AB 1346.

3.5.3 Energy Source Emissions

Combustion Emissions Associated with Electricity and Natural Gas

Electricity and natural gas are used in almost every project. Criteria pollutant emissions are emitted through the generation of electricity. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity are excluded from the evaluation of significance. The site is not expected to utilize natural gas for the building envelope and therefore would not generate any emissions from direct energy consumption.

3.5.4 Stationary Source Emissions

The proposed Project was conservatively assumed to include a total of two emergency fire pumps in Phase 1, four emergency fire pumps in Phase 2, and five emergency fire pumps in Phase 3. Each emergency fire pump was assumed to be diesel-fueled and rated at 220 brake horsepower. Each fire pump was assumed to operate for up to 1 hour per day, 1 day per week for up to 50 hours per year for maintenance and testing purposes. Emissions associated with the stationary diesel-powered fire pumps were calculated using CalEEMod.

3.5.5 On-Site Cargo Handling Equipment Emissions

It is common for industrial buildings to require the operation of exterior cargo handling equipment in the building's truck court areas. The analysis assumed the operation of five pieces of equipment in Phase 1, nine pieces of equipment in Phase 2, and a total of eleven pieces of equipment in Phase 3[7]. Each piece of equipment was modeled as a 175-horsepower natural gas-powered port tractor and assumed to operate 4 hours a day[8] for 365 days of the year. Although MM AQ-8 requires the use of

[7] Based on SCAQMD's April 2021 Second Draft Report for Rule 2305, it is estimated that warehouses operate an average of 3.6 yard trucks per million square feet of warehouse space.

[8] Based in Table II-3, Port and Rail Cargo Handling Equipment Demographics by Type, from CARB's Technology Assessment: Mobile Cargo Handling Equipment document, a single piece of equipment could operate up to 2 hours per day (Total Average Annual Activity divided by Total Number Pieces of Equipment). As such, the analysis conservatively assumes that the tractor/loader/backhoe would operate up to 4 hours per day.

the cleanest technologies available, the analysis conservatively assumed the use of natural gas-powered equipment.

3.5.6 Operational Emissions Summary

Impacts Without Mitigation

CalEEMod utilizes summer and winter EMFAC2021 emission factors in order to derive vehicle emissions associated with Project operational activities, which vary by season. As such, operational activities for summer and winter scenarios are presented in Tables 3-11, 3-12, and 3-13 for Phase 1, Phase 2, and Phase 3 (buildout), respectively. Detailed operational model outputs are presented in Appendices 3.5 through 3.7. Phase 1 emissions would exceed the numerical thresholds of significance established by the SCAQMD for emissions of ROG (summer only) and NO_X. Phase 1 and 2 emissions would exceed the SCAQMD significance thresholds for emissions of ROG, NO_X, and CO (summer only). At buildout, the proposed Project's operational emissions would exceed the applicable SCAQMD significance thresholds for emissions of ROG, NO_X, CO, and PM_{10}.

TABLE 3-11: PEAK OPERATIONAL EMISSIONS – PHASE 1

Source	Emissions (lbs/day)					
	ROG	NO_X	CO	SO_2	$PM_{10}T$	$PM_{2.5}T$
Summer						
Mobile	11.84	79.66	174.54	1.00	59.73	16.39
Area	41.97	0.65	76.85	0.00	0.14	0.10
Stationary	0.72	2.02	1.84	0.00	0.11	0.11
Cargo Handling Equipment	0.59	1.88	82.22	0.00	0.15	0.14
Maximum Daily Emissions	55.12	84.20	335.45	1.01	60.12	16.73
SCAQMD Regional Thresholds	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO
Winter						
Mobile	11.31	83.60	148.36	0.98	59.73	16.39
Area	29.35	0.00	0.00	0.00	0.00	0.00
Stationary	0.72	2.02	1.84	0.00	0.11	0.11
Cargo Handling Equipment	0.59	1.88	82.22	0.00	0.15	0.14
Maximum Daily Emissions	41.97	87.50	232.43	0.98	59.98	16.63
SCAQMD Regional Thresholds	55	55	550	150	150	55
Threshold Exceeded?	NO	YES	NO	NO	NO	NO

TABLE 3-12: PEAK OPERATIONAL EMISSIONS – PHASES 1 AND 2

Source	Emissions (lbs/day)					
	ROG	NO_X	CO	SO_2	$PM_{10}T$	$PM_{2.5}T$
Summer						
Mobile	31.45	154.10	394.46	2.07	133.10	36.18
Area	73.44	0.86	102.35	0.01	0.18	0.14
Stationary	1.44	4.04	3.68	0.01	0.21	0.21
Cargo Handling Equipment	1.06	3.38	148.00	0.00	0.26	0.24
Maximum Daily Emissions	107.39	162.38	648.49	2.08	133.76	36.78
SCAQMD Regional Thresholds	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	NO	NO
Winter						
Mobile	29.87	161.89	335.16	2.01	133.10	36.18
Area	56.63	0.00	0.00	0.00	0.00	0.00
Stationary	1.44	4.04	3.68	0.01	0.21	0.21
Cargo Handling Equipment	1.06	3.38	148.00	0.00	0.26	0.24
Maximum Daily Emissions	89.00	169.30	486.85	2.01	133.58	36.64
SCAQMD Regional Thresholds	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

TABLE 3-13: PEAK OPERATIONAL EMISSIONS – PHASES 1, 2, AND 3 (BUILDOUT)

Source	Emissions (lbs/day)					
	ROG	NO_X	CO	SO_2	$PM_{10}T$	$PM_{2.5}T$
Summer						
Mobile	34.57	186.25	448.56	2.50	168.99	45.93
Area	91.72	1.08	127.82	0.01	0.23	0.17
Stationary	1.80	5.05	4.60	0.01	0.27	0.27
Cargo Handling Equipment	1.27	4.09	178.00	0.00	0.32	0.30
Maximum Daily Emissions	129.36	196.45	758.99	2.52	169.81	46.66
SCAQMD Regional Thresholds	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	NO
Winter						
Mobile	32.95	195.55	380.69	2.43	168.99	45.93
Area	70.71	0.00	0.00	0.00	0.00	0.00
Stationary	1.80	5.05	4.60	0.01	0.27	0.27
Cargo Handling Equipment	1.27	4.09	178.00	0.00	0.32	0.30
Maximum Daily Emissions	106.74	204.68	563.29	2.44	169.58	46.49
SCAQMD Regional Thresholds	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	NO

Applicable Mitigation Measures

The following measures (MM AQ-1 through MM AQ-8) are designed to reduce Project operational-source criteria pollutant emissions. There is no way to meaningfully quantify these reductions in CalEEMod, and therefore no numeric emissions credit has been taken in the analysis. As such, even with application of MM AQ-1 through MM AQ-8, Project operational-source emissions impacts are considered significant and unavoidable.

MM AQ-1

To facilitate the future installation of infrastructure that would charge the batteries that power the motors of electric-powered trucks, the following shall be installed: 1) prior to the shell building permit approval, an electrical room(s) and/or exterior area(s) of the site shall be designated where future electrical panels would be located for the purpose of supplying power to on-site charging facilities for electric powered trucks. Conduit shall be installed from this designated area where the panel would be located to the onsite location where the charging facilities would be located and where electric-powered trucks would park and connect to charging facilities to charge the batteries that power the motors of the electric-powered trucks; 2) prior to issuance of a building permit for tenant improvements, tenants that plan to operate electric trucks would be required to construct electrical charging infrastructure in addition to the required conduits.

MM AQ-2

In order to promote alternative fuels, and help support "clean" truck fleets, the developer/successor-in-interest shall provide building occupants with information related to SCAQMD's Carl Moyer Program, or other such programs that promote truck retrofits or "clean" vehicles and information including, but not limited to, the health effect of diesel particulates, benefits of reduced idling time, and CARB regulations. Tenants shall be notified about the availability of: 1) alternatively fueled cargo handling equipment; 2) grant programs for diesel-fueled vehicle engine retrofit and/or replacement; 3) access to alternative fueling stations proximate to the site that supply compressed natural gas; and 5) the United States Environmental Protection Agency's SmartWay program.

MM AQ-3

Idling Regulations. Prior to issuance of a certificate of occupancy, legible, durable, weather-proof signs shall be installed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (CARB) anti-idling regulations. At a minimum, each sign shall include the following instructions for truck drivers to shut off engines when not in use.

1. Instructions for drivers of diesel trucks to restrict idling to no more than five minutes once the vehicle is stopped, the transmission is set to "neutral" or "park" and the parking brake is engaged.
2. Telephone numbers of the building facilities manager and CARB to report violations.

MM AQ-4

All future operations shall adhere to the following:

1. Sites shall clearly mark entry and exit points for trucks and service vehicles.

2. Facility operators shall maintain records of their fleet equipment owned by the facility and ensure that all diesel-fueled Medium-Heavy Duty Trucks ("MHDT") and Heavy-Heavy Duty Trucks ("HHD") use year CARB 2010 or newer engines. The records should be maintained on-site and be made available for inspection by the lead agency.

3. Facility operators shall train their managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks.

4. Signs should be posted in the appropriate locations and/or handouts should be provided that show the locations of nearest food options, fueling, truck maintenance services, and other similar convenience services.

5. Each Facility shall designate a Compliance Officer responsible for implementing the measures described herein and/or in the project conditions of approval and mitigation measures. Contact information shall be provided to the City and updated annually, and signs shall be posted in visible locations providing the contact information for the Compliance Officer to the surrounding community. The Compliance Officer also shall coordinate with CARB and SCAQMD to obtain the latest information about regional air quality concentrations, health risks, and trucking regulations.

6. Signs shall be posted in the appropriate locations heavy truck drivers to park and perform any self-maintenance of trucks in designated on-site areas and not within the surrounding community or on public streets.

7. The Project plans and specifications shall include signs at every truck exit driveway providing directional information to the truck route.

MM AQ-5

Electric Vehicle Charging and Future Truck Charging Capability. Prior to issuance of building permits, the following features shall be demonstrated on the Project's building plans to the extent feasible over minimum California Code of Regulations Title 24 requirements. Installation shall be verified by the City prior to issuance of a certificate of occupancy.

1. For use by employees and visitors conducting business at the building, install automobile electric vehicle (EV) charging stations at the minimum number required by the California Code of Regulations Title 24. All charging stations shall be equipped with Level 2 or faster chargers. Signs shall be posted indicating that the charging stations are for exclusive use by the building's employees and by visitors conducting business at the building.

2. Install appropriate electrical infrastructure sufficiently sized to accommodate the potential installation of additional auto and truck EV charging stations in the future.

3. Install raceways for conduit to tractor trailer parking areas in logical, gated locations determined by the Project Applicant during construction document plan check, for the purpose of accommodating the future installation of EV truck charging stations at such time this technology becomes commercially available. The charging station location(s) are to be located inside the gated and secured truck courts.

MM AQ-6

Water Efficient Fixtures. All water fixtures within the Project shall be water efficient (toilets/urinals (1.5 gallons per minute [gpm] or less), showerheads (2.0 gpm or less), and faucets (1.28 gpm or less)).

MM AQ-7

City Review of Construction Documents. Prior to issuance of building permits, the following features shall be demonstrated on the Project's building and landscape plans to the extent feasible. Installation shall be verified by the City prior to issuance of a certificate of occupancy.

1. Install Energy Star-rated heating, cooling, lighting, and appliances
2. Structures shall be equipped with outdoor electric outlets in the front and rear to facilitate use of electrical lawn and garden equipment.
3. Install rooftop solar energy systems which generate enough electricity to meet 45% of annual warehouse electricity demand.

MM AQ-8

Tenant Lease Agreement. Prior to issuance of a certificate of occupancy, the following language shall be included within tenant lease agreements in order to reduce operational air pollutant emissions to the extent feasible:

1. Information about energy efficiency, energy-efficient lighting and lighting control systems, energy management, and existing energy incentive programs.
2. Information about funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment.
3. Requirements to use the cleanest technologies available and to provide the necessary infrastructure to support zero-emission vehicles, equipment, and appliances that would be operating on site at such time this technology becomes commercially available. This requirement shall apply to equipment such as forklifts, handheld landscaping equipment, yard trucks, office appliances, etc.
4. Requirements to exclusively use zero-emission light and medium-duty delivery trucks and vans, when economically feasible.
5. Requirements to operate in compliance with, and to monitor compliance with, all current and applicable air quality regulations for on-road trucks including the California Air Resources Board's Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation, Periodic Smoke Inspection Program, and the Statewide Truck and Bus Regulation.
6. Requirements and identification of the responsible party to maintain, replace, and upgrade rooftop solar panels per the manufacturer's recommendations for the life of the lease. The proposed Project would comply with existing solar requirements per the California Energy Code in effect during permitting of the Project (at the time of Construction Drawing Plan Check Submittal). In the case that the tenant requires additional solar capacity, this shall be addressed during the tenant improvement process. The proposed Project would be required to meet the CCR Title 24 energy efficiency standards in effect during permitting of the proposed Project

7. Requirements and identification of the responsible party to maintain, replace, and repair the legible, durable, weather-proof signs that were installed at initial building occupancy placed at truck access gates, loading docks, and truck parking areas that identify applicable CARB anti-idling regulations.

8. The tenant agreement shall include notification that the tenant shall comply with CARB Truck and Bus regulation, including requirements that only haul trucks meeting model year 2010 engine emission standards shall be used for the on-road transport of materials to and from the Project site.

9. Requirements for the building owner to provide a Green Cleaning Products and Paint Education Program available to the building tenant, to keep at the building's office, break room, leasing space, or on an accessible website.

3.5.7 Overlap of Construction and Operational-Related Activities

The analysis of Project construction and operational emissions in this report has been completed pursuant to the *1993 CEQA Handbook* which details parameters to quantify construction and operation emissions separately and compare each to the applicable thresholds. Based on the assumed construction and buildout schedule of the Project, there is potential overlap of construction and operational activity. As such, Appendix 3.13 summarizes the total peak daily emissions from the overlap of construction and operational activity during each phase. It should be noted that the emissions presented in Appendix 3.13 have been included for informational purposes only since SCAQMD has not developed or published a threshold of significance for overlapping construction and operational activity.

3.6 Localized Air Quality Impacts

3.6.1 Background on LST Development

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology). The SCAQMD has established that localized impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs). The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4.[9] LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses. LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show

[9] The purpose of SCAQMD's Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as "…equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (41).

3.6.2 Emissions Considered

Based on SCAQMD's *LST Methodology*, emissions for concern during construction activities are on-site NO_X, CO, $PM_{2.5}$, and PM_{10}. The *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs (42)." As such, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

3.6.3 Dispersion Modeling

In order to estimate localized pollutant concentrations resulting from Project construction, the SCAQMD-approved American Meteorological Society/EPA Regulatory Model (AERMOD) dispersion model was utilized. The modeling approach utilized is discussed as follows.

3.6.4 Sources

It should be noted that in order to model worst-case conditions, the highest daily peak on-site emissions resulting from overlapping construction activity were modeled. A ground level release height and a 1 meter (approximately 3.28 feet) initial vertical dimension (sigma z) were utilized for fugitive dust emissions of PM_{10} and $PM_{2.5}$ consistent with SCAQMD's LST guidance. In order to account for equipment exhaust emissions from NO_2, CO, PM_{10}, and $PM_{2.5}$ a release height of 5.0 meters was utilized consistent with SCAQMD's LST guidance.

3.6.5 Meteorological Data and Model Options

In order to account for meteorological conditions at the Project site, meteorological data from the SCAQMD's Chino Airport monitoring station was utilized, as this is the nearest station to the Project site for which meteorological data is available. Additionally, a receptor height of 2 meters and regulatory default options were utilized consistent with SCAQMD's LST guidance.

3.6.6 Receptors

As previously stated, LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities. Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as "sensitive receptors". These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use to the Project site where an individual could remain for 24 hours has been used to determine construction and operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$, since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time.

Per the *LST Methodology*, commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain onsite for a full 24 hours but are typically on-site for 8 hours or less. However, *LST Methodology* explicitly states that "*LSTs based on shorter averaging periods, such as the NO_2 and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours* (42)." Therefore, any adjacent land use where an individual could remain for 1 or 8 hours, that is located at a closer distance to the Project site than the receptor used for PM_{10} and $PM_{2.5}$ analysis, must be considered to determine construction and operational LST air impacts for emissions of NO_2 and CO since these pollutants have an averaging time of 1 and 8 hours.

Receptors in the Project study area are described below and shown in Exhibit 3-A. Localized air quality impacts were evaluated at sensitive receptor land uses nearest the Project site. All distances are measured from the Project site boundary to the outdoor living areas (e.g., backyards) or at the building façade, whichever is closer to the Project site.

R1: Location R1 represents the existing residence at 7697 Edison Avenue, approximately 668 feet north of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R1 is placed at the building's façade.

R2: Location R2 represents the existing residence at 14213 Bon View Avenue, approximately 89 feet north of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R2 is placed at the building's façade.

R3: Location R3 represents the existing residence at 14117 Grove Avenue, approximately 900 feet north of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R3 is placed at the building's façade.

R4: Location R4 represents the existing residence at 8377 Edison Avenue, approximately 639 feet north of the Project site. Receptor R4 is placed in the private outdoor living area (backyard) facing the Project site.

R5: Location R5 represents the existing residence at 14303 Walker Avenue, approximately 109 feet east of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R5 is placed at the building's façade.

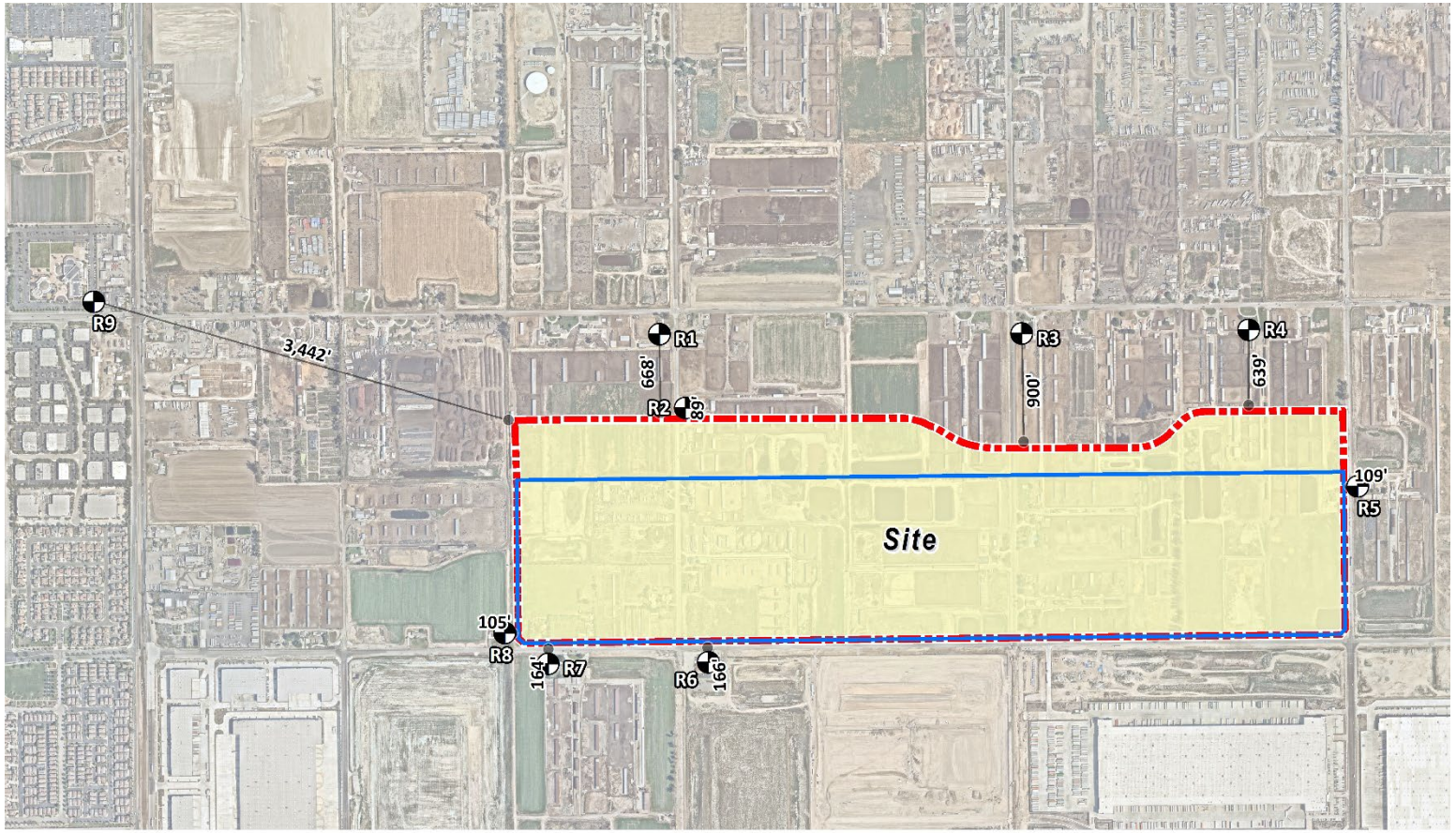
R6: Location R6 represents the Ontario Fire Station 11 located at 7721 Eucalyptus Avenue, approximately 166 feet south of the Project site. R6 is placed at the nearest building façade facing the Project site.

R7: Location R7 represents the existing residence at 7566 Eucalyptus Avenue, approximately 164 feet south of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R7 is placed at the building's façade.

R8: Location R7 represents the existing residence at 7511 Eucalyptus Avenue, approximately 105 feet west of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R8 is placed at the building's façade.

R9: Location R9 represents the Crosspoint Children's Center located at 6950 Edison Avenue, approximately 3,442 feet northwest of the Project site. Receptor R9 is placed at the nearest building façade facing the Project site.

EXHIBIT 3-A: RECEPTOR LOCATIONS



The SCAQMD recommends that the nearest sensitive receptor be considered when determining a Project's impact. The nearest land use where an individual could remain for 24 hours to the Project site has been used to determine localized construction and operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$ (since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time).

As previously stated, and consistent with LST Methodology, the nearest industrial/commercial use to the Project site is used to determine construction and operational LST air impacts for emissions of NO_X and CO as the averaging periods for these pollutants are shorter (8 hours or less) and it is reasonable to assumed that an individual could be present at these sites for periods of one to 8 hours.

3.6.7 Construction-Source Localized Emissions

Emissions during the peak construction activity will not exceed the SCAQMD's localized significance thresholds at the maximally exposed receptor location, as illustrated in Tables 3-14, 3-15, and 3-16 for Phases 1, 2, and 3, respectively. All other modeled locations in the study area would experience lower concentrations, resulting in a reduced impact. As such, the Project's localized impacts during construction activity would be less than significant. Outputs from the model runs for construction LSTs are provided in Appendices 3.1 through 3.3. Construction AERMOD model outputs are presented in Appendix 3.11.

TABLE 3-14: CONSTRUCTION LOCALIZED SIGNIFICANCE SUMMARY – PHASE 1

Phase 1 Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hours	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.03	0.01	1.05E-02	0.84	0.41
Background Concentration [A]	1.5	1.1	0.085		
Total Concentration	1.53	1.11	0.10	0.84	0.41
SCAQMD Localized Significance Threshold	20	9	0.18	10.40	10.40
Threshold Exceeded?	NO	NO	NO	NO	NO

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in µg/m³. All others are expressed in ppm.
Based on SCAQMD's LST Methodology, background concentrations are considered only for CO and NO_2.

TABLE 3-15: CONSTRUCTION LOCALIZED SIGNIFICANCE SUMMARY – PHASE 2

Phase 2 Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hours	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.04	0.01	1.40E-02	1.01	0.49
Background Concentration [A]	1.5	1.1	0.085		
Total Concentration	1.54	1.11	0.10	1.01	0.49
SCAQMD Localized Significance Threshold	20	9	0.18	10.40	10.40
Threshold Exceeded?	NO	NO	NO	NO	NO

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in µg/m³. All others are expressed in ppm.
Based on SCAQMD's LST Methodology, background concentrations are considered only for CO and NO_2.

TABLE 3-16: CONSTRUCTION LOCALIZED SIGNIFICANCE SUMMARY – PHASE 3

Phase 3 Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hours	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.08	0.03	2.69E-02	1.59	0.77
Background Concentration [A]	1.5	1.1	0.085		
Total Concentration	1.58	1.13	0.11	1.59	0.77
SCAQMD Localized Significance Threshold	20	9	0.18	10.40	10.40
Threshold Exceeded?	NO	NO	NO	NO	NO

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.
Based on SCAQMD's LST Methodology, background concentrations are considered only for CO and NO_2.

3.6.8 Operational-Source Localized Emissions

The LST analysis generally includes on-site sources (area, energy, mobile, and on-site cargo handling equipment are previously discussed in Section 3.5 of this report). However, it should be noted that the CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. As such, to establish a maximum potential impact scenario for analytic purposes, the modeled emissions include all on-site Project-related stationary (area) sources and on-site Project-related mobile emissions. In order to account for on-site mobile emissions, a passenger car and truck trip length of 0.5 miles was utilized for Phase 1, a trip length of 1.0 mile was utilized for Phase 2, and a trip length of 1.25 miles was utilized for Phase 3. CalEEMod localized operational emissions model outputs are presented in Appendices 3.8 through 3.10. Operational AERMOD model outputs are presented in Appendix 3.12

As shown in Tables 3-17, 3-18, and 3-19 for Phases 1, 2, and 3, respectively, emissions would not exceed SCAQMD's localized significance thresholds at the maximally exposed receptors as a result of operational activities.

TABLE 3-17: OPERATIONAL LOCALIZED SIGNIFICANCE SUMMARY – PHASE 1

Peak Operations	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hours	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	3.96E-02	3.43E-02	1.52E-03	0.23	0.09
Background Concentration	1.5	1.1	0.085		
Total Concentration	1.54	1.13	0.09	0.23	0.09
SCAQMD Localized Significance Threshold	20	9	0.18	2.50	2.50
Threshold Exceeded?	NO	NO	NO	NO	NO

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.
Based on SCAQMD's LST Methodology, background concentrations are considered only for CO and NO_2.

TABLE 3-18: OPERATIONAL LOCALIZED SIGNIFICANCE SUMMARY – PHASES 1 AND 2

Peak Operations	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hours	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	4.65E-02	3.49E-02	2.28E-03	0.57	0.18
Background Concentration	1.5	1.1	0.085		
Total Concentration	1.55	1.13	0.09	0.57	0.18
SCAQMD Localized Significance Threshold	20	9	0.18	2.50	2.50
Threshold Exceeded?	NO	NO	NO	NO	NO

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in µg/m³. All others are expressed in ppm.
Based on SCAQMD's LST Methodology, background concentrations are considered only for CO and NO_2.

TABLE 3-19: OPERATIONAL LOCALIZED SIGNIFICANCE SUMMARY – PHASES 1, 2, AND 3

Peak Operations	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hours	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	5.20E-02	3.94E-02	2.65E-03	0.72	0.23
Background Concentration	1.5	1.1	0.085		
Total Concentration	1.55	1.14	0.09	0.72	0.23
SCAQMD Localized Significance Threshold	20	9	0.18	2.50	2.50
Threshold Exceeded?	NO	NO	NO	NO	NO

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in µg/m³. All others are expressed in ppm.
Based on SCAQMD's LST Methodology, background concentrations are considered only for CO and NO_2.

3.7 CO "HOT SPOT" ANALYSIS

A CO hotspot is defined as a localized concentration of CO exceeding the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. At the time the most recent CEQA Air Quality Handbook (1993) was published by SCAQMD, the air basin was designated as non-attainment, requiring projects to perform hotspot analyses to ensure they did not worsen the existing conditions. Over the last two decades, background CO concentrations have been significantly reduced due to regulatory controls on tailpipe emissions, which have culminated in the air basin achieving attainment status for CO.

In 2003, the SCAQMD as part of its AQMP development process, prepared modeling to determine the potential for CO Hotspots at the four busiest intersections in the air basin. As summarized in the 2003 AQMP, even at one of the busiest intersections at that time, only 0.7 ppm of CO is attributable to vehicular traffic and the remaining 7.7 ppm were due to ambient background conditions. As shown on Table 2-5 in this report, the background 1-hour and 8-hour concentrations are well below the applicable AAQS. The 2003 AQMP's findings underscore that CO hotspots are highly unlikely due to the reduced background concentrations and the effectiveness of California's air quality management strategies. The substantial reduction in CO levels from the vehicle fleet and the state's attainment

status for CO further diminish the need for detailed microscale hotspot analyses, reinforcing that existing monitoring and regulatory frameworks adequately address potential air quality concerns.

As such, Project-related traffic at any intersections within the Project area would not cause or contribute to a CO hotspot since the background concentrations are low and any contribution from Project traffic would be negligible.

3.8 AQMP

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the SCAG, county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards. Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In December 2022, the SCAQMD released the *Final 2022 AQMP* (*2022 AQMP*). The *2022 AQMP* continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (17). Similar to the 2016 AQMP, the *2022 AQMP* incorporates scientific and technological information and planning assumptions, including the *2020-2045 RTP/SCS*, a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements (18). The Project's consistency with the AQMP will be determined using the *2022 AQMP* as discussed below.

It should be noted that although SCAG has released an updated 2024-2050 RTP, the 2022 AQMP is based on the 2020-2045 RTP. Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (43). These indicators are discussed below:

3.8.1 Consistency Criterion No. 1

Potential to 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.

The violations that Consistency Criterion No. 1 refer to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded.

Construction Impacts – Consistency Criterion 1

As evaluated, the Project's localized and regional construction-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

Operational Impacts – Consistency Criterion 1

The Project's localized operational-source emissions would not exceed applicable LSTs. However, Project operational-source emissions would exceed applicable regional thresholds for emissions of ROG (summer only) and NO_X during Phase 1, ROG, NO_X, and CO (summer only) during Phase 2, and ROG, NO_X, CO, and PM_{10} at buildout. Accordingly, Project operational-source emissions exceedances would therefore increase the frequency or severity of existing air quality violations and would cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

On the basis of the preceding discussion, the Project is determined to be inconsistent with the first criterion.

3.8.2 Consistency Criterion No. 2

Potential to exceed the assumptions in the AQMP based on the years of Project build-out phase.

The *2022 AQMP* demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in City of Ontario General Plan is considered to be consistent with the AQMP.

Construction Impacts – Consistency Criterion 2

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. As such, when considering that no emissions thresholds will be exceeded, a less than significant impact would result.

Operational Impacts – Consistency Criterion 2

The City of Ontario General Plan designates the Project site as Medium Density Residential with an Affordable Housing Overlay (MDR-AH), Mixed Use with an Affordable Housing Overlay (MU-BC-AH), and Open Space – Parkland (OS-R) land uses and Specific Plan with an Agricultural Overlay zoning uses. The proposed Project's land uses require a General Plan and Zoning Amendment land use change to Business Park (BP) and Open Space – Parkland (OS-R) land use and Eucalyptus Business Park Specific Plan zoning use, which are currently being proposed by the City.

The proposed Project includes the development of a total of 2,939,000 square feet of industrial and commercial uses. As previously stated, the Project's proposed uses are not consistent with the

current land use and zoning designation and requires the General Plan and Zone Change Amendment currently being proposed by the City.

As the Project is not consistent with the current General Plan land use designations and would result in operational emission exceedances, the Project would result in a significant and unavoidable impact and is therefore determined to be inconsistent with the second criterion.

AQMP Consistency Conclusion

The Project has the potential to result in or cause NAAQS or CAAQS violations. Operational-source emissions would exceed the applicable SCAQMD regional thresholds for ROG, NO_X, CO, and PM_{10} at buildout. As such, the Project is considered to have the potential to conflict with the AQMP and a significant and unavoidable impact would occur with respect to this threshold.

3.9 Potential Impacts to Sensitive Receptors

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction.

Additionally, the Project would not exceed the SCAQMD localized significance thresholds during operational activity. Further Project traffic would not create or result in a CO "hotspot." Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

3.9.1 Friant Ranch Case

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, the California Supreme Court held that an Environmental Impact Report's (EIR) air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided.

Most local agencies, including the City of Ontario, lack the data to do their own assessment of potential health impacts from criteria air pollutant emissions, as would be required to establish customized, locally-specific thresholds of significance based on potential health impacts from an individual development project. The use of national or "generic" data to fill the gap of missing local data would not yield accurate results because such data does not capture local air patterns, local background conditions, or local population characteristics, all of which play a role in how a population experiences air pollution. Because it is impracticable to accurately isolate the exact cause of a human disease (for example, the role a particular air pollutant plays compared to the role of other allergens and genetics in causing asthma), existing scientific tools cannot accurately estimate health impacts of the Project's air emissions without undue speculation. Instead, readers are directed to the Project's air quality impact analysis above, which provides extensive information concerning the quantifiable and non-quantifiable health risks related to the Project's construction and long-term operation.

Notwithstanding, this AQIA does evaluate the proposed Project's localized impact to air quality for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$ by comparing the proposed Project's on-site emissions to the

SCAQMD's applicable LST thresholds. The LST analysis above determined that the Project would not result in emissions exceeding SCAQMD's LSTs. Therefore, the proposed Project would not be expected to exceed the most stringent applicable federal or state ambient air quality standards for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$.

3.10 Potential Impacts to Sensitive Receptors

As the Project's emissions would comply with federal, state, and local air quality standards, the proposed Project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level and would not provide a reliable indicator of health effects if modeled.

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with current solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors and other emissions (such as those leading to odors) associated with construction and operations activities of the proposed Project would be less than significant and no mitigation is required (44).

3.11 Cumulative Impacts

As previously shown in Table 2-4, the CAAQS designate the Project site as nonattainment for O_3 PM_{10}, and $PM_{2.5}$ while the NAAQS designates the Project site as nonattainment for O_3 and $PM_{2.5}$. he SCAQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (45). In this report the SCAQMD clearly states (Page D-3):

> *"…the SCAQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for TAC emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*
>
> *Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."*

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which SCAB is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Conversely, project-level construction and operational emissions that exceed SCAQMD thresholds would be considered cumulatively considerable. SCAQMD's thresholds of significance for project-specific direct and cumulatively-considerable impacts have clearly been successful, as application of these thresholds has led to significant air quality improvements throughout the SCAB.

Construction-Source Emission Impacts

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project construction-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, proposed Project construction-source emissions would be considered less than significant on a Project-specific and cumulative basis.

Operational-Source Emission Impacts

As substantiated in this analysis, Project-level operational-source ROG, NO_X, CO, and PM_{10} emissions impacts would be significant and unavoidable. Per SCAQMD protocols, Project operational-source ROG, NO_X, CO, and PM_{10} emissions impacts would also be cumulatively significant.

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6 CERTIFICATION

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Eucalyptus Business Park Specific Plan Project. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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Professional Certifications

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AB2588 Regulatory Standards – Trinity Consultants • November, 2006
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APPENDIX 2.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

Appendix C - Maps and Tables of Area Designations for State and National Ambient Air Quality Standards

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

Table of Ambient Air Quality Standards

Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		—		
Fine Particulate Matter (PM2.5)[9]	24 Hour	—	—	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	9.0 µg/m^3	15.0 µg/m^3	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		53 ppb (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[11]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[11]	—	
Lead[12,13]	30 Day Average	1.5 µg/m^3	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m^3 (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m^3		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	**No National Standards**		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

See footnotes on next page ...

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the U.S. EPA.

8. On October 1, 2015, the national 8hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

9. On February 7, 2024, the national annual PM2.5 primary standard was lowered from 12.0 µg/m3 to 9.0 µg/m3. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 µg/m3, as was the annual secondary standard of 15.0 µg/m3. The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$)as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Area Designations for the State Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment transitional, or unclassified for each pollutant, as shown below:

Designation	Abbreviation
Attainment	A
Nonattainment	N
Nonattainment Transitional	NA-T
Unclassified	U

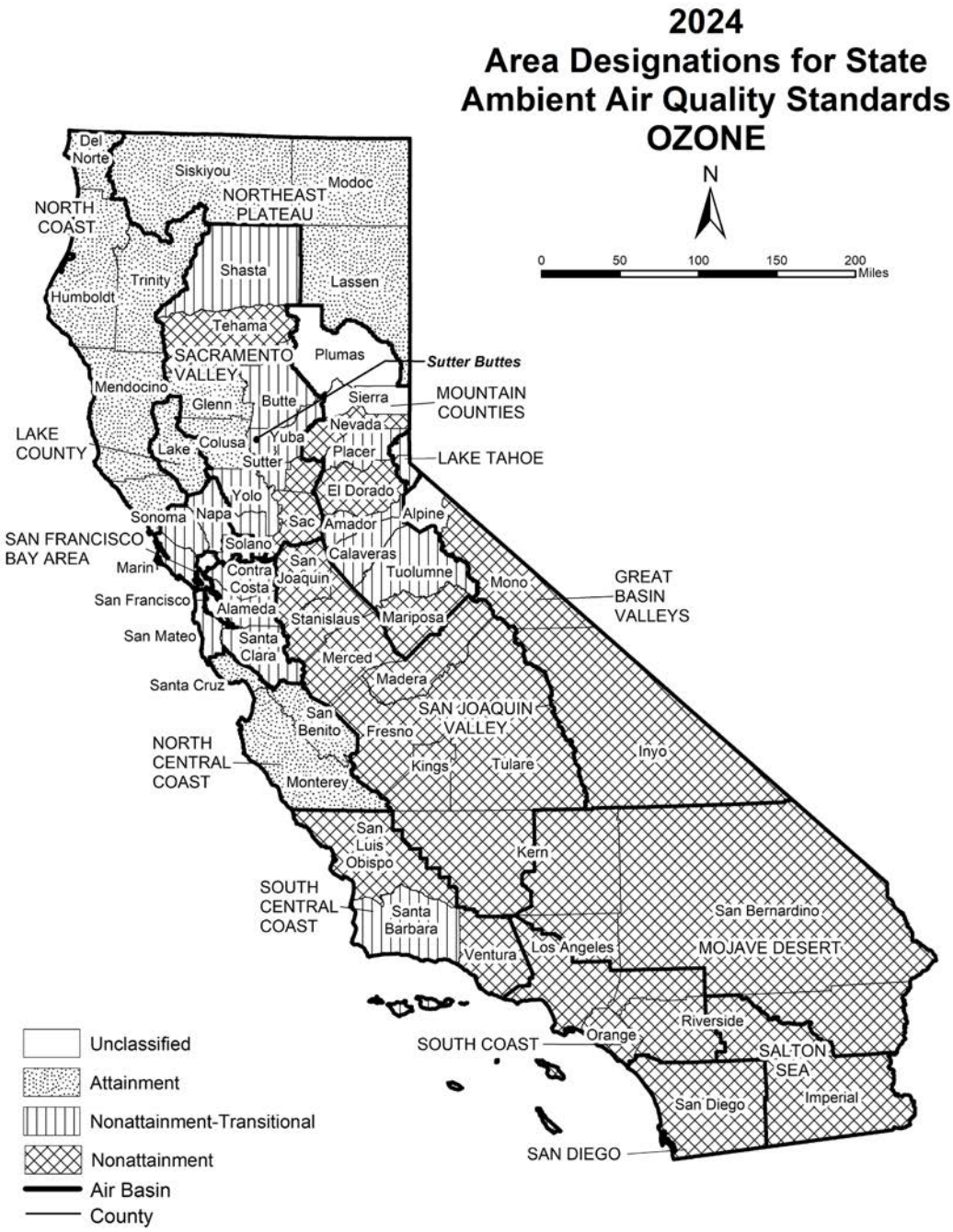
In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

Table 1 California Ambient Air Quality Standards Area Designations for Ozone[1]

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	N
Mono County	N
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	NA-T
MOJAVE DESERT AIR BASIN	N
MOUNTAIN COUNTIES AIR BASIN	
Amador County	NA-T
Calaveras County	NA-T
El Dorado County (portion)	N
Mariposa County	N
Nevada County	N
Placer County (portion)	NA-T
Plumas County	U
Sierra County	U
Tuolumne County	NA-T
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	
Butte County	NA-T
Colusa and Glenn Counties	A
Shasta County	NA-T
Sutter/Yuba Counties	
Sutter Buttes	NA-T
Remainder of Sutter County	NA-T
Yuba County	NA-T
Yolo/Solano Counties	NA-T
Remainder of Air Basin	N
SALTON SEA AIR BASIN	N
SAN DIEGO AIR BASIN	N
SAN FRANCISCO BAY AREA AIR BASIN	NA-T
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	
San Luis Obispo County	N
Santa Barbara County	NA-T
Ventura County	N
SOUTH COAST AIR BASIN	N

[1] AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.

Figure 1



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Air Quality Planning and Science Division, CARB

Table 2
California Ambient Air Quality Standards Area Designations for Suspended Particulate Matter (PM_{10})

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	N
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	N
MOJAVE DESERT AIR BASIN	N
MOUNTAIN COUNTIES AIR BASIN	
Amador County	U
Calaveras County	N
El Dorado County (portion)	N
Mariposa County	
- Yosemite National Park	N
- Remainder of County	U
Nevada County	U
Placer County (portion)	N
Plumas County	U
Sierra County	U
Tuolumne County	U
NORTH CENTRAL COAST AIR BASIN	N
NORTH COAST AIR BASIN	
Del Norte, Mendocino, Sonoma (portion) and Trinity Counties	A
Remainder of Air Basin	N
NORTHEAST PLATEAU AIR BASIN	
Siskiyou County	A
Remainder of Air Basin	U
SACRAMENTO VALLEY AIR BASIN	
Shasta County	A
Remainder of Air Basin	N
SALTON SEA AIR BASIN	N
SAN DIEGO AIR BASIN	N
SAN FRANCISCO BAY AREA AIR BASIN	N
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	N
SOUTH COAST AIR BASIN	N

Figure 2

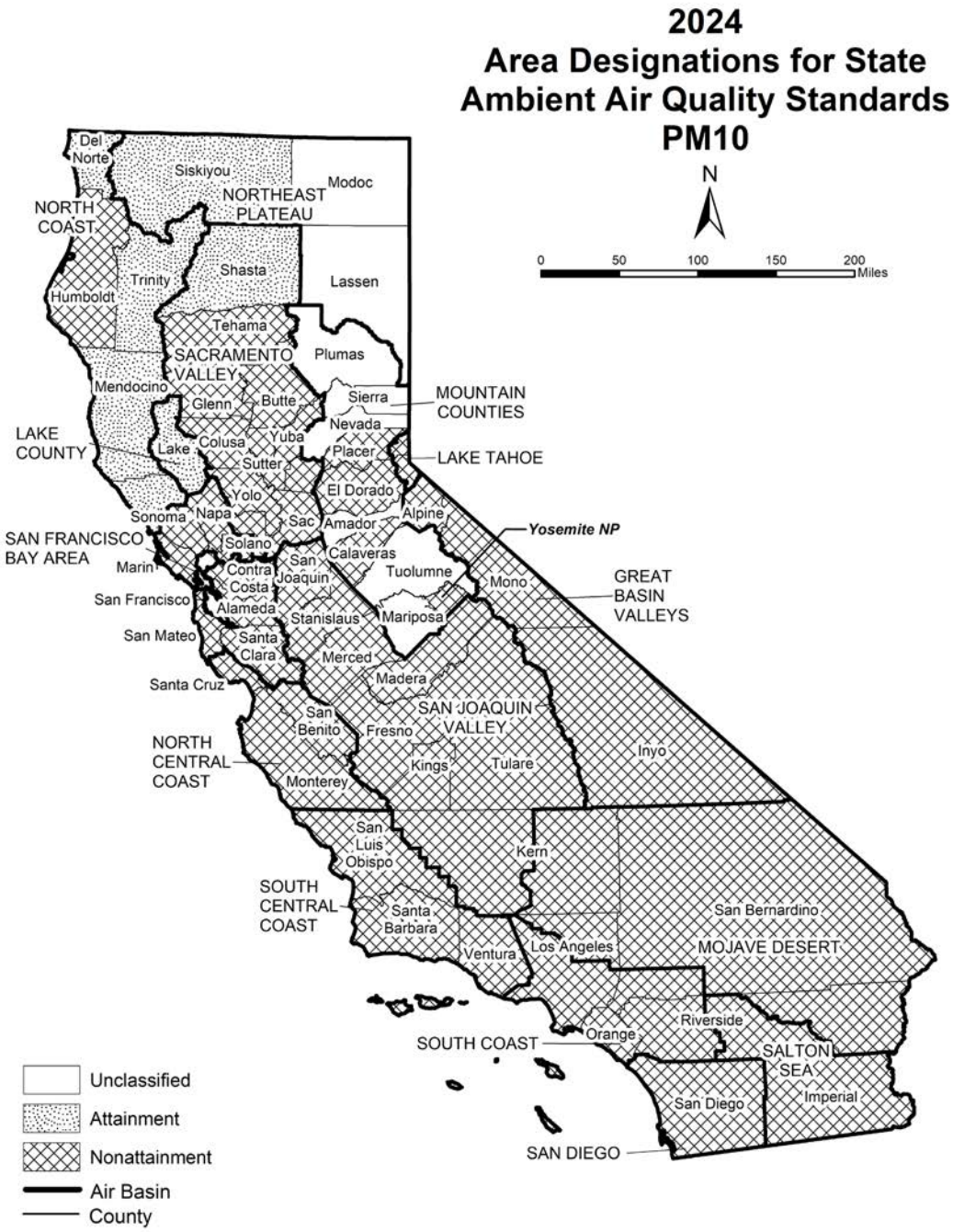

2024
Area Designations for State
Ambient Air Quality Standards
PM10
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Yuba
Placer
LAKE TAHOE
Sutter
El Dorado
Yolo
Sonoma
Napa
Sac
Amador
Alpine
Yosemite NP
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Unclassified
Attainment
Nonattainment
Air Basin
County
Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 3
California Ambient Air Quality Standards Area Designations for Fine Particulate Matter ($PM_{2.5}$)

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	
Plumas County	
- Portola Valley[2]	N
- Remainder Plumas County	U
Remainder of Air Basin	U
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	
Butte County	A
Colusa County	A
Glenn County	A
Placer County (portion)	A
Sacramento County	A
Shasta County	A
Sutter and Yuba Counties	N
Remainder of Air Basin	U
SALTON SEA AIR BASIN	
Imperial County	
- City of Calexico[3]	N
Remainder of Air Basin	A
SAN DIEGO AIR BASIN	N
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	N

[2] California Code of Regulations, title 17, section 60200(c)
[3] California Code of Regulations, title 17, section 60200(a)

Figure 3



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 4
California Ambient Air Quality Standards Area Designations for Carbon Monoxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	A
Mono County	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	
Kern County (portion)	U
Los Angeles County (portion)	A
Riverside County (portion)	U
San Bernardino County (portion)	A
MOUNTAIN COUNTIES AIR BASIN	
Amador County	U
Calaveras County	U
El Dorado County (portion)	U
Mariposa County	U
Nevada County	U
Placer County (portion)	U
Plumas County	A
Sierra County	U
Tuolumne County	A
NORTH CENTRAL COAST AIR BASIN	
Monterey County	A
San Benito County	U
Santa Cruz County	U
NORTH COAST AIR BASIN	
Del Norte County	U
Humboldt County	A
Mendocino County	A
Sonoma County (portion)	U
Trinity County	U

Area	Designations
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	
Butte County	A
Colusa County	U
Glenn County	U
Placer County (portion)	A
Sacramento County	A
Shasta County	U
Solano County (portion)	A
Sutter County	A
Tehama County	U
Yolo County	A
Yuba County	U
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	
Fresno County	A
Kern County (portion)	A
Kings County	U
Madera County	U
Merced County	U
San Joaquin County	A
Stanislaus County	A
Tulare County	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

* The area designated for carbon monoxide is a county or portion of a county

Figure 4


2024
Area Designations for State
Ambient Air Quality Standards
CARBON MONOXIDE
N
0 50 100 150 200
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Placer
LAKE TAHOE
Sutter
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Unclassified
Attainment
Air Basin
County
Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 5
California Ambient Air Quality Standards Area Designations for Nitrogen Dioxide

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	
CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties	A
Remainder of Air Basin	A

Figure 5



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 6
California Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

* The area designated for sulfur dioxide is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 6


2024
Area Designations for State
Ambient Air Quality Standards
SULFUR DIOXIDE
N
0 50 100 150 200
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Sutter
Placer
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
SAN JOAQUIN VALLEY
Fresno
Inyo
NORTH CENTRAL COAST
Kings
Tulare
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Attainment
Air Basin
County
Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 7
California Ambient Air Quality Standards Area Designations for Sulfates

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

Figure 7


2024
Area Designations for State
Ambient Air Quality Standards
SULFATES
N
0 50 100 150 200
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Placer
LAKE TAHOE
Sutter
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Attainment
Air Basin
County
Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 8
California Ambient Air Quality Standards Area Designations for Lead (particulate)*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 8


2024
Area Designations for State
Ambient Air Quality Standards
LEAD
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Yuba
Placer
LAKE TAHOE
Sutter
El Dorado
Yolo
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
Inyo
NORTH CENTRAL COAST
Kings
Tulare
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Attainment
Air Basin
County
Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 9
California Ambient Air Quality Standards Area Designations for Hydrogen Sulfide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	A
Mono County	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	U
MOJAVE DESERT AIR BASIN	
Kern County (portion)	U
Los Angeles County (portion)	U
Riverside County (portion)	U
San Bernardino County (portion)	
- Searles Valley Planning Area[4]	N
- Remainder of County	U
MOUNTAIN COUNTIES AIR BASIN	
Amador County	
- City of Sutter Creek	N
- Remainder of County	U
Calaveras County	U
El Dorado County (portion)	U
Mariposa County	U
Nevada County	U
Placer County (portion)	U
Plumas County	U
Sierra County	U
Tuolumne County	U

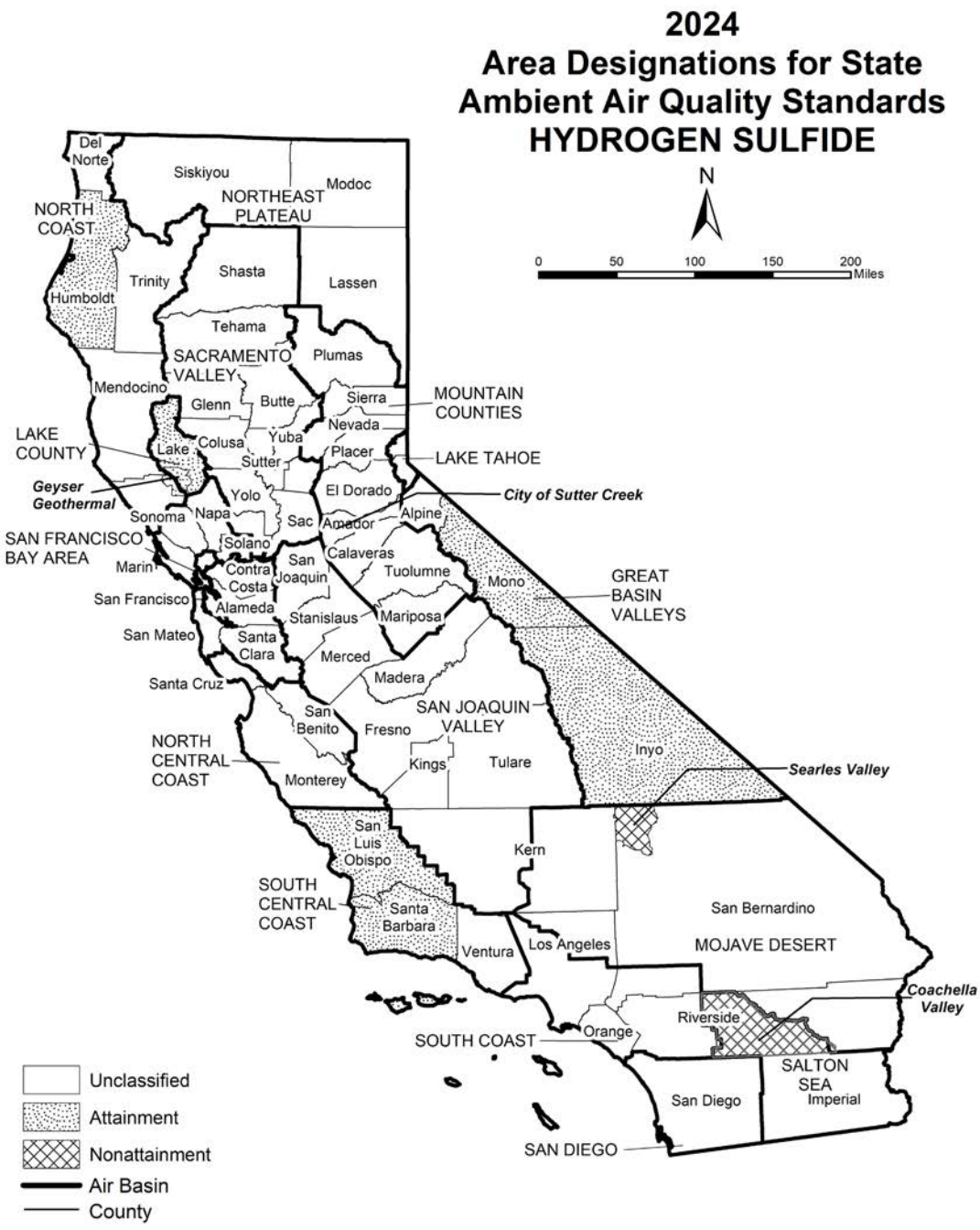
Area	Designations
NORTH CENTRAL COAST AIR BASIN	U
NORTH COAST AIR BASIN	
Del Norte County	U
Humboldt County	A
Mendocino County	U
Sonoma County (portion)	
- Geyser Geothermal Area[5]	A
- Remainder of County	U
Trinity County	U
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	U
SALTON SEA AIR BASIN	
Riverside County (portion)	N
Imperial County	U
SAN DIEGO AIR BASIN	U
SAN FRANCISCO BAY AREA AIR BASIN	U
SAN JOAQUIN VALLEY AIR BASIN	U
SOUTH CENTRAL COAST AIR BASIN	
San Luis Obispo County	A
Santa Barbara County	A
Ventura County	U
SOUTH COAST AIR BASIN	U

* The area designated for hydrogen sulfide is a county or portion of a county

[4] 52 Federal Register 29384 (August 7, 1987)

[5] California Code of Regulations, title 17, section 60200(d)

Figure 9



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 10
California Ambient Air Quality Standards Area Designations for Visibility Reducing Particles

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	U
MOJAVE DESERT AIR BASIN	U
MOUNTAIN COUNTIES AIR BASIN	U
NORTH CENTRAL COAST AIR BASIN	U
NORTH COAST AIR BASIN	U
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	U
SALTON SEA AIR BASIN	U
SAN DIEGO AIR BASIN	U
SAN FRANCISCO BAY AREA AIR BASIN	U
SAN JOAQUIN VALLEY AIR BASIN	U
SOUTH CENTRAL COAST AIR BASIN	U
SOUTH COAST AIR BASIN	U

Figure 10


2024
Area Designations for State
Ambient Air Quality Standards
VISIBILITY REDUCING PARTICLES
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Yuba
Placer
LAKE TAHOE
Sutter
El Dorado
Yolo
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Unclassified
Attainment
Air Basin
County
Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Area Designations for the National Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. These maps reflect all current national standards. For example, the map for Fine Suspended Particulate Matter ($PM_{2.5}$) reflects both the annual and the 24-hour standard. Additional information about the federal area designations is available on the U.S. EPA website: *Nonattainment Areas for Criteria Pollutants (Green Book)*

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website: *Criteria Air Pollutants*

On February 7, 2024, the U.S. EPA established a new national annual primary $PM_{2.5}$ standard of 9.0 µg/m^3. Area designations for this revised standard will be finalized in February 2026. Until that time, the current designation map will reflect the most previous 2012 annual average standard of 12.0 µg/m^3 as well as the 24-hour standard of 35 µg/m^3, last revised in 2006.

Designation Categories

Suspended Particulate Matter (PM_{10}). The U.S. EPA uses three categories to designate areas with respect to PM_{10}:

- Attainment (A)
- Nonattainment (N)
- Unclassifiable (U)

Ozone, Fine Suspended Particulate Matter ($PM_{2.5}$), Carbon Monoxide (CO), Nitrogen Dioxide (NO_2), and Lead. The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment (N)
- Unclassifiable/Attainment (U/A)

Sulfur Dioxide (SO_2). The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment (N),
- Unclassifiable (U), and
- Unclassifiable/Attainment (U/A).

Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency,

the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at: *Title 40 SECTION 81.305*.

Table 11
National Ambient Air Quality Standards Area Designations for 8-Hour Ozone*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	
Amador County	N
Calaveras County	N
El Dorado County (portion)[6]	N
Mariposa County	N
Nevada County	
- Western Nevada County	N
- Remainder of County	U/A
Placer County (portion)[6]	N
Plumas County	U/A
Sierra County	U/A
Tuolumne County	N
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	
Butte County	N
Colusa County	U/A
Glenn County	U/A
Sacramento Metro Area[6]	N
Shasta County	U/A
Sutter County	
- Sutter Buttes	N
- Southern portion of Sutter County[6]	N
- Remainder of Sutter County	U/A
Tehama County	
- Tuscan Buttes	N
- Remainder of Tehama County	U/A

Area	Designations
SACRAMENTO VALLEY AIR BASIN (cont.)	
Yolo County[6]	N
Yuba County	U/A
SAN DIEGO COUNTY	N
SAN FRANCISCO BAY AREA AIR BASIN	N
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN[7]	
San Luis Obispo County	
- Eastern San Luis Obispo County	N
- Remainder of County	U/A
Santa Barbara County	U/A
Ventura County	
- Area Excluding Anacapa and San Nicolas Islands	N
- Channel Islands[7]	U/A
SOUTH COAST AIR BASIN[7]	N
SOUTHEAST DESERT AIR BASIN	
Kern County (portion)	N
- Indian Wells Valley	U/A
Imperial County	N
Los Angeles County (portion)	N
Riverside County (portion)	
- Coachella Valley	N
- Non-AQMA portion	U/A
San Bernardino County	
- Western portion (AQMA)	N
- Eastern portion (non-AQMA)	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and Table reflect the 2015 8-hour ozone standard of 0.070 ppm.

[6] For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

[7] South Central Coast Air Basin Channel Islands:
Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.
Ventura County includes Anacapa and San Nicolas Islands.
South Coast Air Basin:
Los Angeles County includes San Clemente and Santa Catalina Islands.

Figure 11


Area Designations for National Ambient Air Quality Standards
8-HOUR OZONE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
Sutter Buttes
SACRAMENTO VALLEY
Plumas
Tuscan Buttes
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Sutter
Yuba
Placer
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Antelope Valley and Western Mojave Desert
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
SOUTH COAST
Orange
SALTON SEA
Coachella Valley
Imperial
San Diego
SAN DIEGO
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Map reflects the 2015 8-hour ozone standard of 0.070 ppm
Air Quality Planning and Science Division, CARB

Table 12 National Ambient Air Quality Standards Area Designations for Suspended Particulate Matter (PM_{10})*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	
- Owens Valley Planning Area	N
- Coso Junction	A
- Remainder of County	U
Mono County	
- Mammoth Lake Planning Area	A
- Mono Lake Basin	N
- Remainder of County	U
LAKE COUNTY AIR BASIN	U
LAKE TAHOE AIR BASIN	U
MOUNTAIN COUNTIES AIR BASIN	U
NORTH CENTRAL COAST AIR BASIN	U
NORTH COAST AIR BASIN	U
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	
Sacramento County	A
Remainder of Air Basin	U
SAN DIEGO COUNTY	U

Area	Designations
SAN FRANCISCO BAY AREA AIR BASIN	U
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	U
SOUTH COAST AIR BASIN	A
SOUTHEAST DESERT AIR BASIN	
Eastern Kern County	
- Indian Wells Valley	A
- Portion within San Joaquin Valley Planning Area	N
- Remainder of County	U
Imperial County	
- Imperial Valley Planning Area	A
- Remainder of County	U
Los Angeles County (portion)	U
Riverside County (portion)	
- Coachella Valley	N
- Non-AQMA portion	U
San Bernardino County	
- Trona	N
- Remainder of County	N

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 12

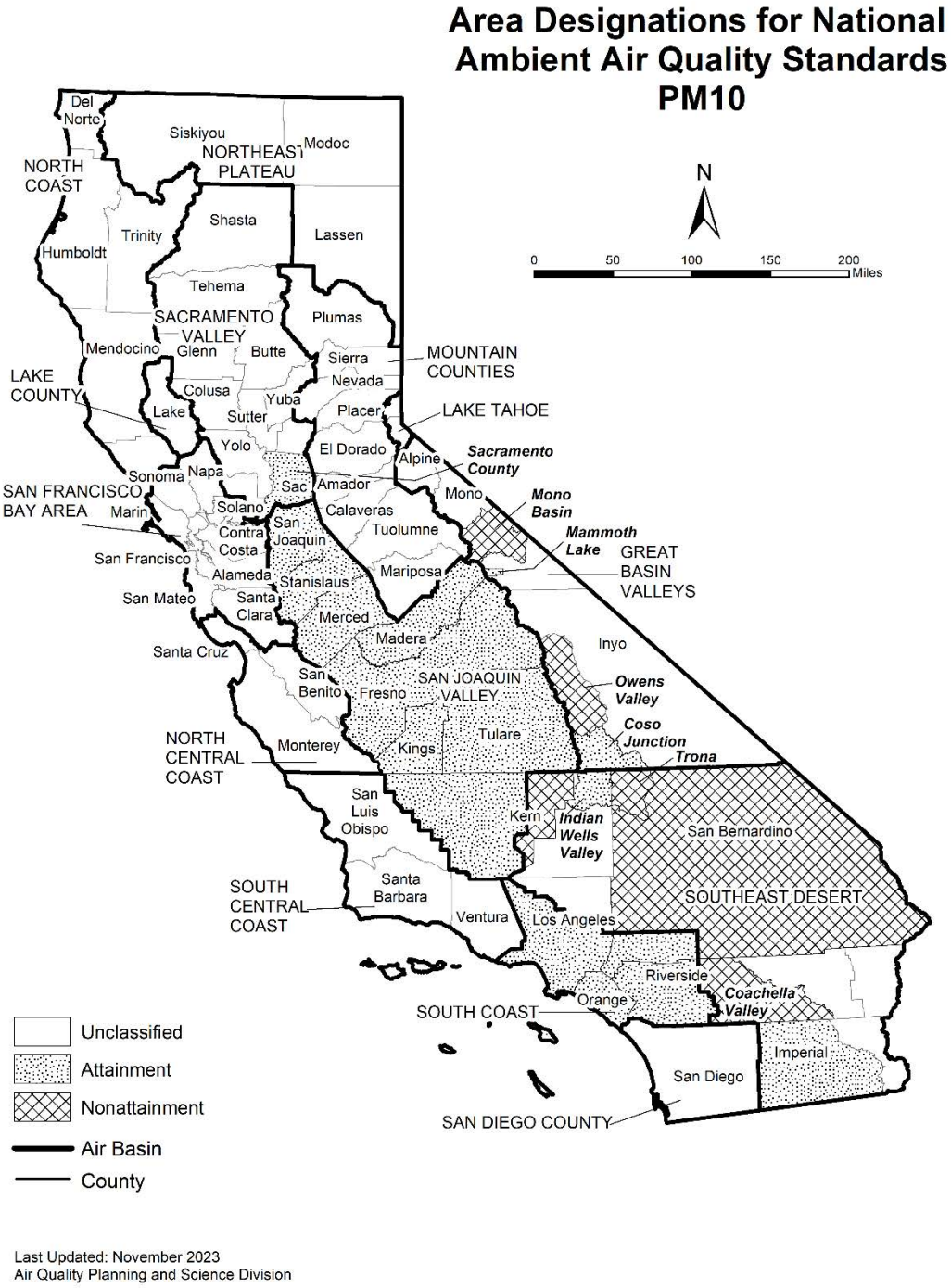

Area Designations for National Ambient Air Quality Standards PM10
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Trinity
Lassen
Humboldt
Tehema
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Sutter
Placer
LAKE TAHOE
Yolo
El Dorado
Alpine
Sacramento County
Sonoma
Napa
Sac
Amador
SAN FRANCISCO BAY AREA
Marin
Solano
Calaveras
Mono
Mono Basin
Contra Costa
San Joaquin
Tuolumne
Mammoth Lake
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Inyo
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
Owens Valley
Coso Junction
Trona
NORTH CENTRAL COAST
Monterey
Kings
Tulare
San Luis Obispo
Kern
Indian Wells Valley
San Bernardino
SOUTH CENTRAL COAST
Santa Barbara
Ventura
Los Angeles
SOUTHEAST DESERT
Riverside
Coachella Valley
Orange
SOUTH COAST
Imperial
San Diego
SAN DIEGO COUNTY
Unclassified
Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 13
National Ambient Air Quality Standards Area Designations for Fine Particulate Matter ($PM_{2.5}$)

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	
Plumas County	
- Portola Valley Portion of Plumas County	N
- Remainder of Plumas County	U/A
Remainder of Air Basin	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	
Sacramento Metro Area[8]	N
Remainder of Air Basin	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN[9]	N
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN[10]	N
SOUTHEAST DESERT AIR BASIN	
Imperial County (portion)[11]	N
Remainder of Air Basin	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map reflects the 2006 24-hour $PM_{2.5}$ standard as well as the 1997 and 2012 $PM_{2.5}$ annual standards.

[8] For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

[9] Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

[10] Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

[11] That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

Figure 13

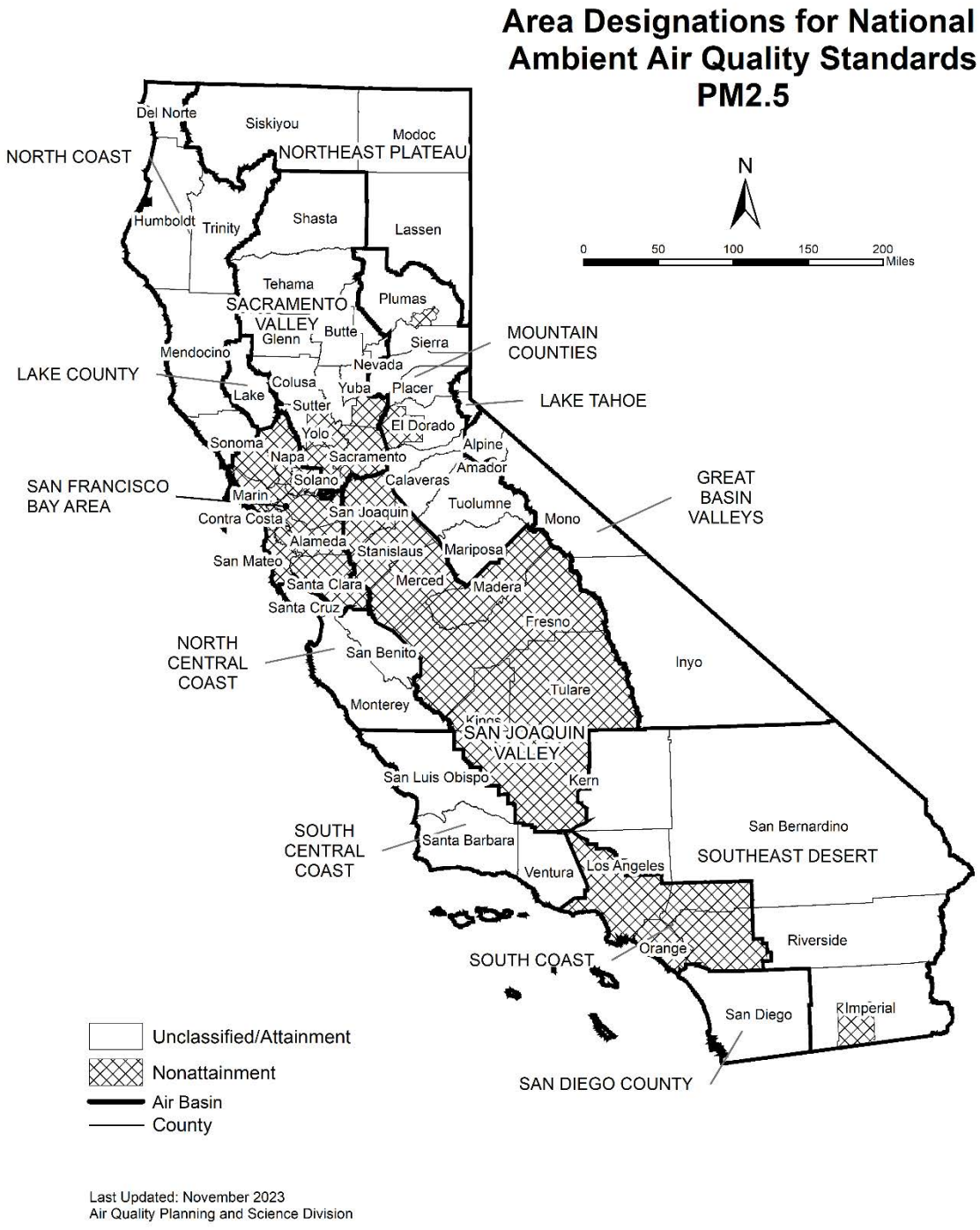

Area Designations for National Ambient Air Quality Standards PM2.5
N
0 50 100 150 200 Miles
NORTH COAST
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
Humboldt
Trinity
Shasta
Lassen
Tehama
SACRAMENTO VALLEY
Plumas
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Mendocino
Nevada
LAKE COUNTY
Colusa
Yuba
Placer
Lake
Sutter
LAKE TAHOE
El Dorado
Yolo
Sonoma
Alpine
Napa
Sacramento
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
GREAT BASIN VALLEYS
Marin
Tuolumne
Contra Costa
San Joaquin
Mono
Alameda
Stanislaus
Mariposa
San Mateo
Merced
Santa Clara
Madera
Santa Cruz
Fresno
NORTH CENTRAL COAST
San Benito
Inyo
Tulare
Monterey
Kings
SAN JOAQUIN VALLEY
San Luis Obispo
Kern
San Bernardino
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 14
National Ambient Air Quality Standards Area Designations for Carbon Monoxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN	U/A
SOUTHEAST DESERT AIR BASIN	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 14


Area Designations for National Ambient Air Quality Standards
CARBON MONOXIDE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Lake
Sutter
Yuba
Placer
LAKE TAHOE
LAKE COUNTY
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
San Joaquin
Contra Costa
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Tulare
Inyo
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
SOUTHEAST DESERT
Santa Barbara
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 15
National Ambient Air Quality Standards Area Designations for Nitrogen Dioxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN	U/A
SOUTHEAST DESERT AIR BASIN	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 15

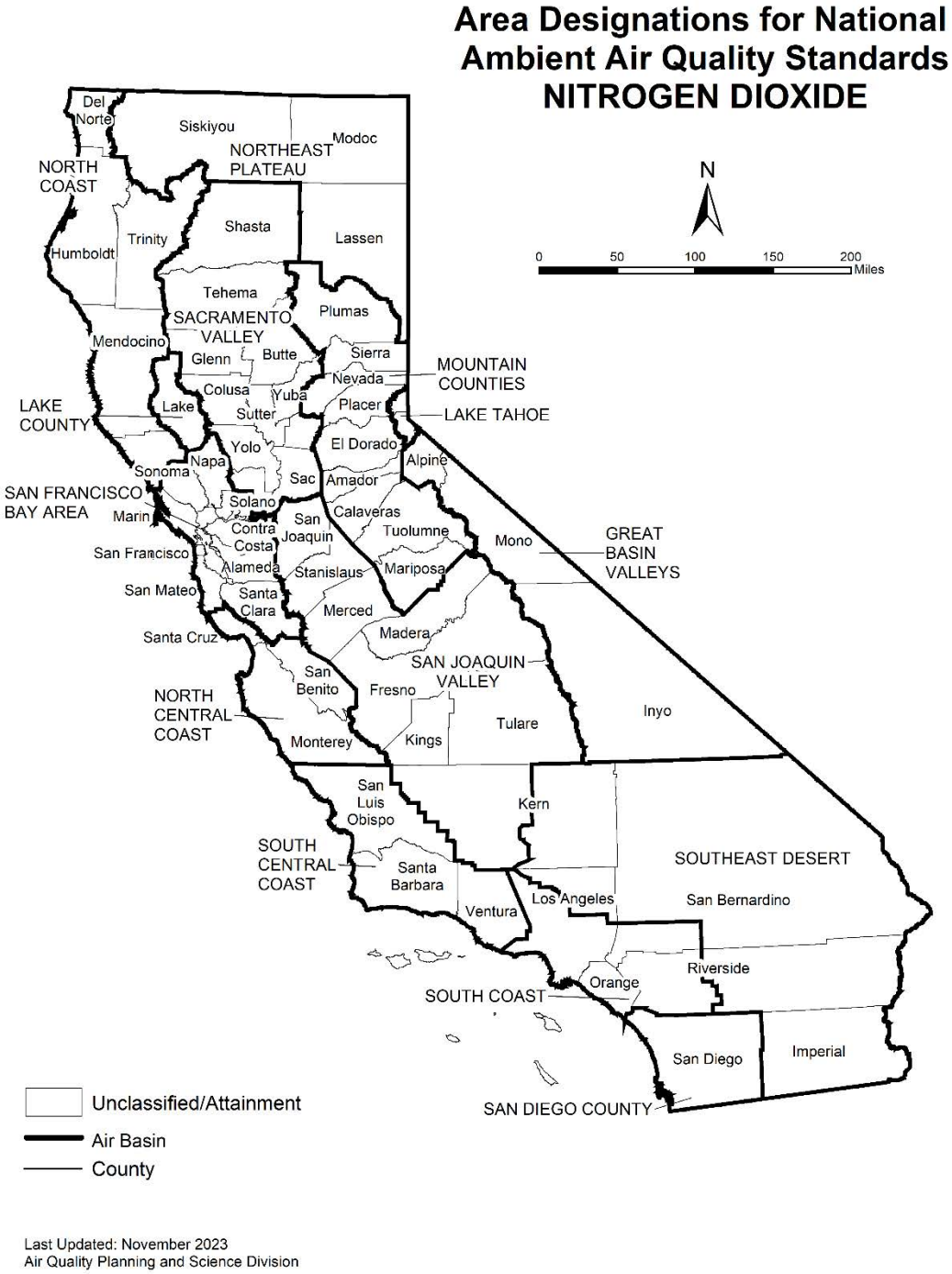

Area Designations for National Ambient Air Quality Standards
NITROGEN DIOXIDE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehema
Plumas
SACRAMENTO VALLEY
Mendocino
Glenn
Butte
Sierra
Nevada
MOUNTAIN COUNTIES
Colusa
Yuba
Placer
LAKE TAHOE
LAKE COUNTY
Lake
Sutter
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Marin
Calaveras
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
Inyo
NORTH CENTRAL COAST
Tulare
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 16
National Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN[12]	U/A
SOUTH COAST AIR BASIN	U/A
SOUTHEAST DESERT AIR BASIN	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2010 1-hour SO_2 standard of 75 ppb.

[12] South Central Coast Air Basin Channel Islands:
Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.
Ventura County includes Anacapa and San Nicolas Islands.
Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

Figure 16

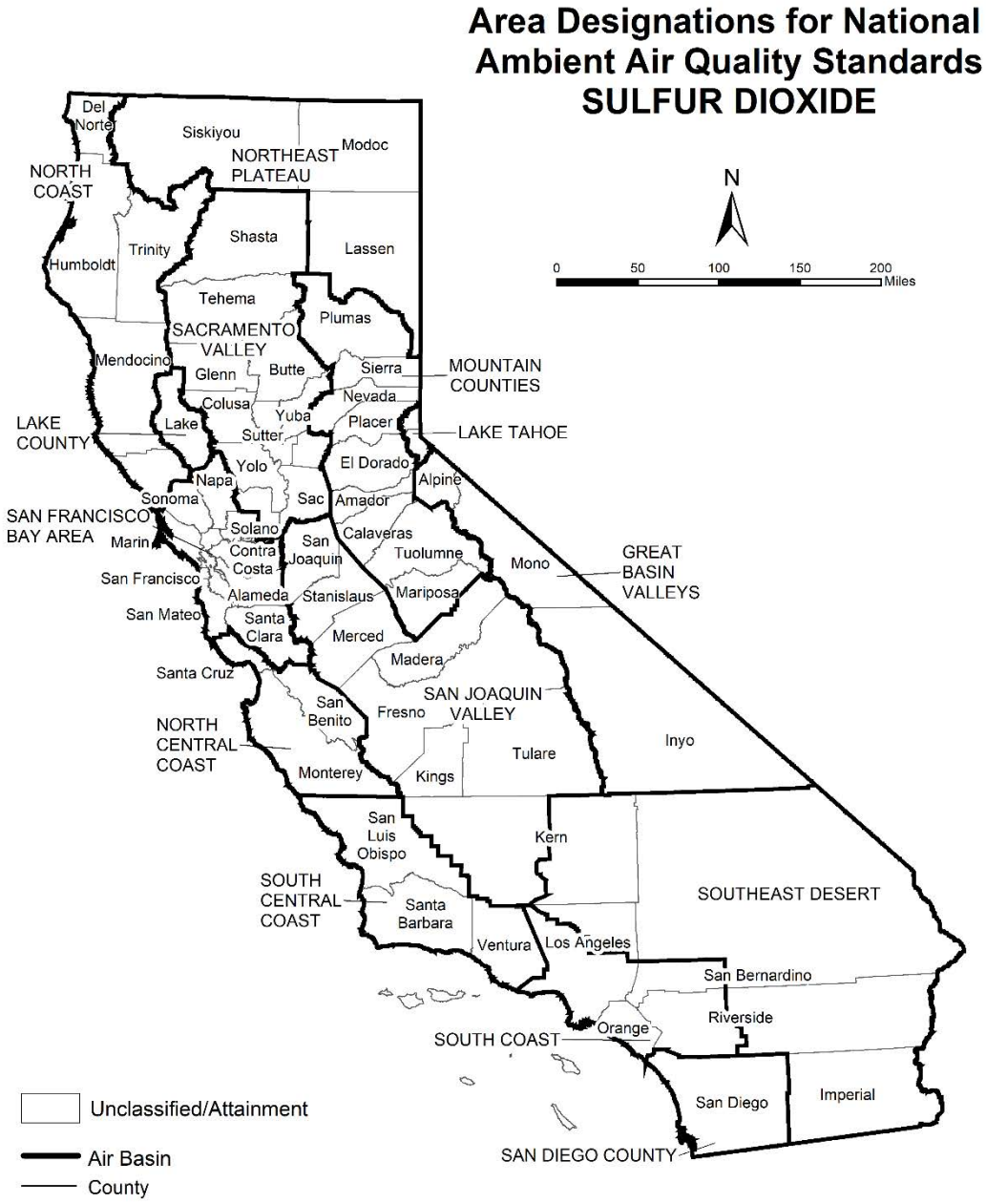
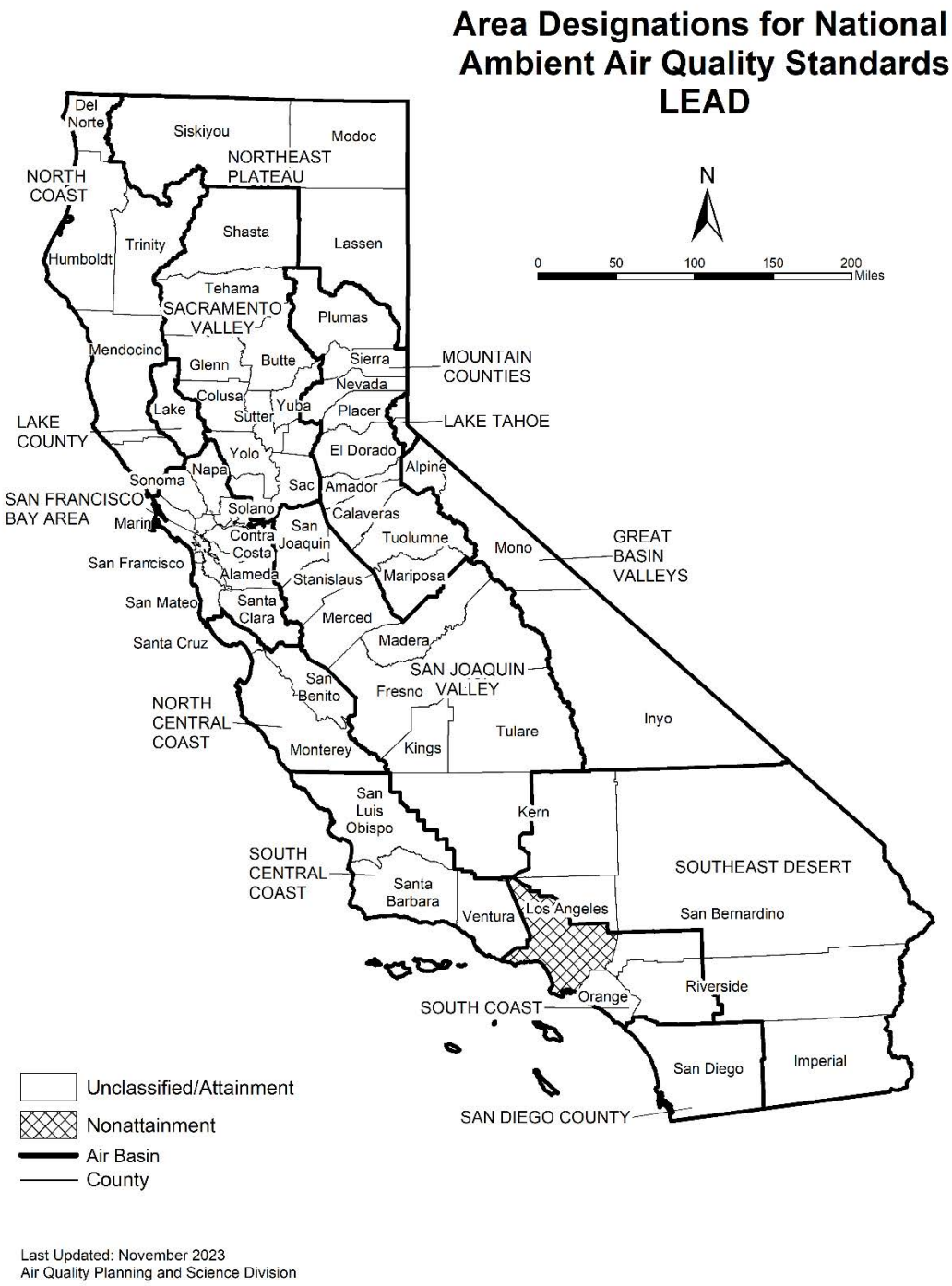

Area Designations for National Ambient Air Quality Standards
SULFUR DIOXIDE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Lassen
Trinity
Humboldt
Tehema
Plumas
SACRAMENTO VALLEY
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Yuba
Placer
LAKE COUNTY
Lake
Sutter
LAKE TAHOE
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
San Joaquin
Contra Costa
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Tulare
Inyo
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
SOUTHEAST DESERT
Santa Barbara
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 17
National Ambient Air Quality Standards Area Designations for Lead (particulate)

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN	
Los Angeles County (portion)[13]	N
Remainder of Air Basin	U/A
SOUTHEAST DESERT AIR BASIN	U/A

[13] Portion of County in Air Basin, not including Channel Islands

Figure 17


Area Designations for National Ambient Air Quality Standards LEAD
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Lassen
Trinity
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Lake
Sutter
Yuba
Placer
LAKE TAHOE
LAKE COUNTY
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
San Joaquin
Contra Costa
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Inyo
Tulare
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
SOUTHEAST DESERT
Santa Barbara
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

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APPENDIX 3.1:

CALEEMOD PHASE 1 CONSTRUCTION EMISSIONS MODEL OUTPUTS

16285 Eucalyptus BP Construction Ph1 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

3. Construction Emissions Details

3.1. Demolition (2027) - Unmitigated

3.3. Site Preparation (2027) - Unmitigated

3.5. Grading (2027) - Unmitigated

3.7. Building Construction (2027) - Unmitigated

3.9. Building Construction (2028) - Unmitigated

3.11. Paving (2028) - Unmitigated

3.13. Architectural Coating (2028) - Unmitigated

4. Operations Emissions Details

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

5.18. 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

8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	16285 Eucalyptus BP Construction Ph1
Construction Start Date	1/11/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.6
Precipitation (days)	19
Location	33.99139661510472, -117.63851888403607
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5259
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.32

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
Industrial Park	341	1000sqft	7.8	340,700	340,901	—	—	—
Unrefrigerated Warehouse-No Rail	553	1000sqft	13	553,300	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	326	1000sqft	7.5	326,200	0.00	—	—	HCFC Sort
City Park	34	Acre	34	0.00	0.00	0.00	—	—
Parking Lot	1,367	Space	12	546,800	0.00	—	—	—
Other Non-Asphalt Surfaces	7.8	Acre	7.8	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.	53	52	44	97	0.16	0.77	14	15	0.66	4.3	4.7	—	25,001	25,001	1.3	1.5	50	25,533
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	52	52	44	83	0.16	0.77	14	15	0.66	4.3	4.7	—	24,013	24,013	1.3	1.5	1.3	24,498
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18	18	20	42	0.06	0.33	6.4	6.7	0.31	1.9	2.2	—	11,050	11,050	0.47	0.64	8.6	11,260
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.3	3.3	3.7	7.6	0.01	0.06	1.2	1.2	0.06	0.34	0.40	—	1,829	1,829	0.08	0.11	1.4	1,864

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.4	3.7	44	74	0.16	0.52	11	11	0.47	4.3	4.7	—	20,303	20,303	1.3	1.5	41	20,792
2028	53	52	39	97	0.11	0.77	14	15	0.66	3.3	4.0	—	25,001	25,001	0.83	1.5	50	25,533
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.2	3.5	44	70	0.16	0.58	11	11	0.52	4.3	4.7	—	20,268	20,268	1.3	1.5	1.1	20,739
2028	52	52	40	83	0.11	0.77	14	15	0.66	3.3	4.0	—	24,013	24,013	0.85	1.5	1.3	24,498
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.3	1.9	20	42	0.06	0.33	6.4	6.7	0.31	1.9	2.2	—	11,050	11,050	0.47	0.64	8.6	11,260
2028	18	18	14	30	0.04	0.27	4.8	5.1	0.23	1.2	1.4	—	8,506	8,506	0.30	0.54	7.6	8,683
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.41	0.34	3.7	7.6	0.01	0.06	1.2	1.2	0.06	0.34	0.40	—	1,829	1,829	0.08	0.11	1.4	1,864
2028	3.3	3.3	2.6	5.5	0.01	0.05	0.89	0.93	0.04	0.21	0.26	—	1,408	1,408	0.05	0.09	1.3	1,438

3. Construction Emissions Details

3.1. Demolition (2027) - 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 Equipment	0.87	0.87	24	32	0.05	0.56	—	0.56	0.51	—	0.51	—	5,385	5,385	0.22	0.04	—	5,404
Demolition	—	—	—	—	—	—	0.35	0.35	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	2.3	3.1	< 0.005	0.05	—	0.05	0.05	—	0.05	—	516	516	0.02	< 0.005	—	518
Demolition	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
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 Equipment	0.02	0.02	0.42	0.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	85	85	< 0.005	< 0.005	—	86
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.13	0.12	0.12	1.5	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	372	372	0.01	0.01	0.03	377
Vendor	0.04	0.01	0.53	0.28	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	477	477	0.03	0.07	0.03	499
Hauling	0.05	0.01	0.51	0.28	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	418	418	0.04	0.07	0.02	440
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36	36	< 0.005	< 0.005	0.05	37
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46	46	< 0.005	0.01	0.05	48
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40	40	< 0.005	0.01	0.03	42
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.0	6.0	< 0.005	< 0.005	0.01	6.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.6	7.6	< 0.005	< 0.005	0.01	7.9
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.6	6.6	< 0.005	< 0.005	0.01	7.0

3.3. Site Preparation (2027) - 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 Equipment	0.64	0.64	15	28	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,315
Dust From Material Movement	—	—	—	—	—	—	5.7	5.7	—	2.7	2.7	—	—	—	—	—	—	—

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 Equipment	0.04	0.04	0.81	1.6	< 0.005	0.01	—	0.01	0.01	—	0.01	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	0.31	0.31	—	0.15	0.15	—	—	—	—	—	—	—
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 Equipment	0.01	0.01	0.15	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48	48	< 0.005	< 0.005	—	48
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
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	0.08	0.07	0.07	0.88	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	220
Vendor	0.02	0.01	0.30	0.16	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	268	268	0.02	0.04	0.02	280
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	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.02	12
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15	15	< 0.005	< 0.005	0.02	15
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	—	2.0	2.0	< 0.005	< 0.005	< 0.005	2.0
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.4	2.4	< 0.005	< 0.005	< 0.005	2.5
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 (2027) - 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 Equipment	1.4	1.4	34	63	0.11	0.27	—	0.27	0.27	—	0.27	—	11,437	11,437	0.46	0.09	—	11,477
Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.6	3.6	—	—	—	—	—	—	—
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 Equipment	1.4	1.4	34	63	0.11	0.27	—	0.27	0.27	—	0.27	—	11,437	11,437	0.46	0.09	—	11,477

Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.6	3.6	—	—	—	—	—	—	—
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 Equipment	0.21	0.21	5.1	9.5	0.02	0.04	—	0.04	0.04	—	0.04	—	1,723	1,723	0.07	0.01	—	1,729
Dust From Material Movement	—	—	—	—	—	—	1.2	1.2	—	0.54	0.54	—	—	—	—	—	—	—
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 Equipment	0.04	0.04	0.94	1.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	285	285	0.01	< 0.005	—	286
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.10	0.10	—	—	—	—	—	—	—
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	0.16	0.14	0.12	2.3	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	473	473	0.01	0.02	1.5	480
Vendor	0.07	0.02	0.78	0.43	0.01	0.01	0.21	0.23	0.01	0.06	0.07	—	744	744	0.05	0.11	1.8	780
Hauling	0.90	0.12	8.9	5.0	0.05	0.10	2.1	2.2	0.10	0.58	0.69	—	7,648	7,648	0.78	1.2	15	8,055

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.14	1.8	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	434	434	0.01	0.02	0.04	439
Vendor	0.07	0.01	0.82	0.43	0.01	0.01	0.21	0.23	0.01	0.06	0.07	—	745	745	0.05	0.11	0.05	779
Hauling	0.89	0.11	9.3	5.1	0.05	0.10	2.1	2.2	0.10	0.58	0.69	—	7,651	7,651	0.78	1.2	0.38	8,044
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	66	66	< 0.005	< 0.005	0.10	67
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	112	112	0.01	0.02	0.12	117
Hauling	0.14	0.02	1.4	0.76	0.01	0.02	0.32	0.33	0.02	0.09	0.10	—	1,153	1,153	0.12	0.19	0.95	1,213
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.02	11
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19	19	< 0.005	< 0.005	0.02	19
Hauling	0.02	< 0.005	0.26	0.14	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	191	191	0.02	0.03	0.16	201

3.7. Building Construction (2027) - 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 Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,931	3,931	0.16	0.03	—	3,945
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-Roa Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,931	3,931	0.16	0.03	—	3,945
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-Roa d Equipm ent	0.25	0.25	7.2	9.1	0.02	0.19	—	0.19	0.17	—	0.17	—	1,623	1,623	0.07	0.01	—	1,629
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-Roa d Equipm ent	0.05	0.05	1.3	1.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	269	269	0.01	< 0.005	—	270
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	3.4	3.1	2.6	50	0.00	0.00	9.7	9.7	0.00	2.3	2.3	—	10,038	10,038	0.11	0.35	32	10,177
Vendor	0.35	0.08	4.0	2.2	0.03	0.06	1.1	1.1	0.06	0.30	0.36	—	3,780	3,780	0.27	0.57	9.1	3,964
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	3.2	2.9	2.9	37	0.00	0.00	9.7	9.7	0.00	2.3	2.3	—	9,207	9,207	0.13	0.35	0.82	9,316
Vendor	0.35	0.07	4.2	2.2	0.03	0.06	1.1	1.1	0.06	0.30	0.36	—	3,783	3,783	0.27	0.57	0.23	3,958
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	1.3	1.2	1.3	16	0.00	0.00	4.0	4.0	0.00	0.93	0.93	—	3,855	3,855	0.05	0.15	5.6	3,905
Vendor	0.14	0.03	1.7	0.90	0.01	0.02	0.44	0.47	0.02	0.12	0.15	—	1,561	1,561	0.11	0.23	1.6	1,635
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	0.24	0.22	0.24	3.0	0.00	0.00	0.72	0.72	0.00	0.17	0.17	—	638	638	0.01	0.02	0.93	647
Vendor	0.03	0.01	0.31	0.16	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	258	258	0.02	0.04	0.27	271
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 (2028) - 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 Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,932	3,932	0.16	0.03	—	3,946
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 Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,932	3,932	0.16	0.03	—	3,946
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	0.22	0.22	6.2	7.9	0.01	0.16	—	0.16	0.15	—	0.15	—	1,400	1,400	0.06	0.01	—	1,405
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.1	1.4	< 0.005	0.03	—	0.03	0.03	—	0.03	—	232	232	0.01	< 0.005	—	233
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	3.0	2.9	2.6	46	0.00	0.00	9.7	9.7	0.00	2.3	2.3	—	9,847	9,847	0.11	0.35	28	9,983
Vendor	0.35	0.08	3.8	2.1	0.03	0.06	1.1	1.1	0.03	0.30	0.33	—	3,693	3,693	0.24	0.57	8.0	3,876
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	2.8	2.8	2.6	35	0.00	0.00	9.7	9.7	0.00	2.3	2.3	—	9,034	9,034	0.13	0.35	0.74	9,143
Vendor	0.34	0.07	4.0	2.1	0.03	0.06	1.1	1.1	0.03	0.30	0.33	—	3,696	3,696	0.24	0.57	0.21	3,870
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	1.00	0.98	1.0	13	0.00	0.00	3.4	3.4	0.00	0.80	0.80	—	3,263	3,263	0.05	0.13	4.4	3,305
Vendor	0.12	0.03	1.4	0.75	0.01	0.02	0.38	0.40	0.01	0.11	0.12	—	1,316	1,316	0.08	0.20	1.2	1,379
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	0.18	0.18	0.19	2.4	0.00	0.00	0.62	0.62	0.00	0.15	0.15	—	540	540	0.01	0.02	0.72	547
Vendor	0.02	< 0.005	0.26	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	218	218	0.01	0.03	0.20	228

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 (2028) - 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 Equipment	0.23	0.23	7.2	11	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.23	0.23	7.2	11	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.08	0.08	2.5	3.6	< 0.005	0.03	—	0.03	0.03	—	0.03	—	517	517	0.02	< 0.005	—	519
Paving	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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 Equipment	0.01	0.01	0.45	0.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	86	86	< 0.005	< 0.005	—	86
Paving	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	0.06	0.06	0.05	0.93	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	199	199	< 0.005	0.01	0.57	202
Vendor	0.16	0.04	1.7	0.94	0.01	0.03	0.49	0.51	0.01	0.13	0.15	—	1,658	1,658	0.11	0.25	3.6	1,739
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	0.06	0.06	0.05	0.70	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	183	183	< 0.005	0.01	0.01	185
Vendor	0.15	0.03	1.8	0.96	0.01	0.03	0.49	0.51	0.01	0.13	0.15	—	1,659	1,659	0.11	0.25	0.09	1,737
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	0.02	0.02	0.02	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	63	63	< 0.005	< 0.005	0.08	64
Vendor	0.05	0.01	0.61	0.32	< 0.005	0.01	0.17	0.17	< 0.005	0.05	0.05	—	568	568	0.04	0.09	0.53	595
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	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	0.01	11
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	94	94	0.01	0.01	0.09	99
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 (2028) - 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 Equipment	0.08	0.08	4.3	3.9	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	47	47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.08	0.08	4.3	3.9	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	47	47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.03	0.03	1.5	1.3	< 0.005	0.04	—	0.04	0.04	—	0.04	—	183	183	0.01	< 0.005	—	184

Architect Coatings	16	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.01	0.01	0.27	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30	30	< 0.005	< 0.005	—	30
Architectural Coatings	3.0	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.60	0.59	0.51	9.2	0.00	0.00	1.9	1.9	0.00	0.45	0.45	—	1,969	1,969	0.02	0.07	5.7	1,997
Vendor	0.16	0.04	1.7	0.94	0.01	0.03	0.49	0.51	0.01	0.13	0.15	—	1,658	1,658	0.11	0.25	3.6	1,739
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	0.57	0.55	0.52	6.9	0.00	0.00	1.9	1.9	0.00	0.45	0.45	—	1,807	1,807	0.03	0.07	0.15	1,829
Vendor	0.15	0.03	1.8	0.96	0.01	0.03	0.49	0.51	0.01	0.13	0.15	—	1,659	1,659	0.11	0.25	0.09	1,737
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	0.19	0.19	0.20	2.5	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	627	627	0.01	0.02	0.84	636
Vendor	0.05	0.01	0.61	0.32	< 0.005	0.01	0.17	0.17	< 0.005	0.05	0.05	—	568	568	0.04	0.09	0.53	595
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	0.03	0.03	0.04	0.46	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	0.14	105
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	94	94	0.01	0.01	0.09	99
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

4.10. 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	1/1/2027	2/18/2027	5.0	35	—
Site Preparation	Site Preparation	2/19/2027	3/18/2027	5.0	20	—
Grading	Grading	3/19/2027	6/3/2027	5.0	55	—
Building Construction	Building Construction	6/4/2027	6/30/2028	5.0	281	—
Paving	Paving	1/8/2028	6/30/2028	5.0	125	—
Architectural Coating	Architectural Coating	1/8/2028	6/30/2028	5.0	125	—

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	Excavators	Diesel	Tier 4 Interim	2.0	8.0	36	0.38
Demolition	Other Material Handling Equipment	Diesel	Tier 4 Interim	2.0	8.0	93	0.40
Demolition	Off-Highway Trucks	Diesel	Tier 3	2.0	8.0	376	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	6.0	8.0	84	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.0	8.0	367	0.40
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	4.0	8.0	84	0.37
Grading	Graders	Diesel	Tier 4 Interim	4.0	8.0	148	0.41
Grading	Excavators	Diesel	Tier 4 Interim	2.0	8.0	36	0.38
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	4.0	8.0	367	0.40
Grading	Off-Highway Trucks	Diesel	Tier 4 Interim	2.0	8.0	376	0.38
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.0	8.0	87	0.43
Building Construction	Forklifts	Diesel	Tier 4 Interim	3.0	8.0	82	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Interim	2.0	8.0	14	0.74
Building Construction	Cranes	Diesel	Tier 3	2.0	8.0	367	0.29
Building Construction	Welders	Diesel	Tier 4 Interim	2.0	8.0	46	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.0	8.0	84	0.37
Paving	Pavers	Diesel	Tier 4 Interim	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Tier 4 Interim	2.0	8.0	36	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	3.0	8.0	37	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	Worker	30	19	LDA,LDT1,LDT2

Demolition	Vendor	16	10	HHDT,MHDT
Demolition	Hauling	6.3	20	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	18	19	LDA,LDT1,LDT2
Site Preparation	Vendor	9.0	10	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	35	19	LDA,LDT1,LDT2
Grading	Vendor	25	10	HHDT,MHDT
Grading	Hauling	115	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	742	19	LDA,LDT1,LDT2
Building Construction	Vendor	127	10	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15	19	LDA,LDT1,LDT2
Paving	Vendor	57	10	HHDT,MHDT
Paving	Hauling	0.00	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	148	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	57	10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	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	1,830,300	610,100	52,437

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	880	0.00
Site Preparation	—	—	70	0.00	0.00
Grading	—	50,595	275	0.00	0.00
Paving	0.00	0.00	0.00	0.00	20

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Industrial Park	0.00	0%
Paving	Unrefrigerated Warehouse-No Rail	0.00	0%
Paving	Unrefrigerated Warehouse-No Rail	0.00	0%
Paving	City Park	0.00	0%
Paving	Parking Lot	12	100%

Paving	Other Non-Asphalt Surfaces	7.8	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005

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	18	annual days of extreme heat
Extreme Precipitation	3.0	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	9.1	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	77
AQ-PM	93
AQ-DPM	57
Drinking Water	100

Lead Risk Housing	17
Pesticides	85
Toxic Releases	68
Traffic	18
Effect Indicators	—
CleanUp Sites	80
Groundwater	98
Haz Waste Facilities/Generators	87
Impaired Water Bodies	87
Solid Waste	99
Sensitive Population	—
Asthma	17
Cardio-vascular	29
Low Birth Weights	49
Socioeconomic Factor Indicators	—
Education	53
Housing	59
Linguistic	69
Poverty	35
Unemployment	36

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	73.60451687
Employed	6.274862056
Median HI	76.55588349

Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719
Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7

Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1

Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72
Healthy Places Index Score for Project Location (b)	55
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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

8.1. Justifications

Screen	Justification

Construction: Construction Phases	Construction schedule estimated by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits

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APPENDIX 3.2:

CALEEMOD PHASE 2 CONSTRUCTION EMISSIONS MODEL OUTPUTS

16285 Eucalyptus BP Construction Ph2 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

3. Construction Emissions Details

3.1. Demolition (2028) - Unmitigated

3.3. Site Preparation (2028) - Unmitigated

3.5. Grading (2028) - Unmitigated

3.7. Building Construction (2028) - Unmitigated

3.9. Building Construction (2029) - Unmitigated

3.11. Paving (2029) - Unmitigated

3.13. Architectural Coating (2029) - Unmitigated

4. Operations Emissions Details

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

5.18. 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

8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	16285 Eucalyptus BP Construction Ph2
Construction Start Date	7/15/2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.6
Precipitation (days)	19
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.32

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
Industrial Park	274	1000sqft	6.3	273,700	341,937	—	—	—
Unrefrigerated Warehouse-No Rail	553	1000sqft	13	553,300	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	261	1000sqft	6.0	261,000	0.00	—	—	HCFC Sort
City Park	38	Acre	38	0.00	0.00	0.00	—	—
Parking Lot	1,271	Space	11	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	12	Acre	12	0.00	0.00	—	—	—
Hospital	35	1000sqft	0.80	35,000	0.00	—	—	—
Strip Mall	5.0	1000sqft	0.11	5,000	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.0	1000sqft	0.11	5,000	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.	51	51	47	73	0.19	0.70	11	12	0.64	4.6	5.0	—	23,409	23,409	1.6	2.0	28	24,052
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	51	50	48	72	0.19	0.70	11	12	0.64	4.6	5.0	—	23,375	23,375	1.6	2.0	0.73	23,997
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18	18	20	39	0.05	0.42	5.5	6.0	0.38	1.3	1.7	—	10,405	10,405	0.35	0.56	7.5	10,588

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.3	3.3	3.7	7.2	0.01	0.08	1.0	1.1	0.07	0.24	0.31	—	1,723	1,723	0.06	0.09	1.2	1,753

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.9	1.7	47	72	0.19	0.57	11	12	0.51	4.6	5.0	—	23,409	23,409	1.6	2.0	22	24,052
2029	51	51	35	73	0.09	0.70	8.9	9.6	0.64	2.1	2.8	—	17,909	17,909	0.61	0.97	28	18,243
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.8	2.4	48	72	0.19	0.49	11	12	0.43	4.6	5.0	—	23,375	23,375	1.6	2.0	0.60	23,997
2029	51	50	36	64	0.09	0.70	8.9	9.6	0.64	2.1	2.8	—	17,288	17,288	0.62	0.97	0.73	17,595
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.72	0.53	12	18	0.04	0.15	2.5	2.7	0.14	0.95	1.1	—	5,147	5,147	0.30	0.35	2.1	5,260
2029	18	18	20	39	0.05	0.42	5.5	6.0	0.38	1.3	1.7	—	10,405	10,405	0.35	0.56	7.5	10,588
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.13	0.10	2.1	3.4	0.01	0.03	0.46	0.49	0.03	0.17	0.20	—	852	852	0.05	0.06	0.35	871
2029	3.3	3.3	3.7	7.2	0.01	0.08	1.0	1.1	0.07	0.24	0.31	—	1,723	1,723	0.06	0.09	1.2	1,753

3. Construction Emissions Details

3.1. Demolition (2028) - 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 Equipment	0.87	0.87	24	32	0.05	0.56	—	0.56	0.51	—	0.51	—	5,386	5,386	0.22	0.04	—	5,405
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
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 Equipment	0.08	0.08	2.3	3.1	< 0.005	0.05	—	0.05	0.05	—	0.05	—	516	516	0.02	< 0.005	—	518
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.42	0.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	86	86	< 0.005	< 0.005	—	86
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 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	0.12	0.12	0.10	1.9	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	398	398	< 0.005	0.01	1.1	404
Vendor	0.03	0.01	0.30	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	291	291	0.02	0.04	0.63	305
Hauling	0.02	< 0.005	0.23	0.13	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	204	204	0.02	0.03	0.37	215
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36	36	< 0.005	< 0.005	0.05	36
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28	28	< 0.005	< 0.005	0.03	29
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20	20	< 0.005	< 0.005	0.02	21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.9	5.9	< 0.005	< 0.005	0.01	6.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.6	4.6	< 0.005	< 0.005	< 0.005	4.8
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.2	3.2	< 0.005	< 0.005	< 0.005	3.4

3.3. Site Preparation (2028) - 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 Equipment	0.64	0.64	15	28	0.05	0.10	—	0.10	0.10	—	0.10	—	5,298	5,298	0.21	0.04	—	5,316

Dust From Material Movement	—	—	—	—	—	—	5.7	5.7	—	2.7	2.7	—	—	—	—	—	—	—
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 Equipment	0.04	0.04	0.81	1.6	< 0.005	0.01	—	0.01	0.01	—	0.01	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	0.31	0.31	—	0.15	0.15	—	—	—	—	—	—	—
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 Equipment	0.01	0.01	0.15	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48	48	< 0.005	< 0.005	—	48
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
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	0.07	0.06	1.1	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	232	232	< 0.005	0.01	0.67	235

Vendor	0.02	< 0.005	0.18	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	174	174	0.01	0.03	0.38	183
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	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.02	12
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.6	9.6	< 0.005	< 0.005	0.01	10
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	—	2.0	2.0	< 0.005	< 0.005	< 0.005	2.0
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.6	1.6	< 0.005	< 0.005	< 0.005	1.7
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 (2028) - 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 Equipment	1.4	1.4	34	63	0.11	0.27	—	0.27	0.27	—	0.27	—	11,442	11,442	0.46	0.09	—	11,481
Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.6	3.6	—	—	—	—	—	—	—
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 Equipment	1.4	1.4	34	63	0.11	0.27	—	0.27	0.27	—	0.27	—	11,442	11,442	0.46	0.09	—	11,481
Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.6	3.6	—	—	—	—	—	—	—
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 Equipment	0.21	0.21	5.1	9.5	0.02	0.04	—	0.04	0.04	—	0.04	—	1,724	1,724	0.07	0.01	—	1,730
Dust From Material Movement	—	—	—	—	—	—	1.2	1.2	—	0.54	0.54	—	—	—	—	—	—	—
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 Equipment	0.04	0.04	0.94	1.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	285	285	0.01	< 0.005	—	286
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.10	0.10	—	—	—	—	—	—	—
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	0.14	0.14	0.12	2.2	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	464	464	0.01	0.02	1.3	471
Vendor	0.04	0.01	0.48	0.26	< 0.005	0.01	0.14	0.14	< 0.005	0.04	0.04	—	465	465	0.03	0.07	1.0	488
Hauling	1.3	0.18	13	7.2	0.08	0.15	3.1	3.3	0.15	0.86	1.0	—	11,037	11,037	1.1	1.8	20	11,612
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.12	1.6	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	426	426	0.01	0.02	0.03	431
Vendor	0.04	0.01	0.50	0.27	< 0.005	0.01	0.14	0.14	< 0.005	0.04	0.04	—	466	466	0.03	0.07	0.03	488
Hauling	1.2	0.16	13	7.3	0.08	0.15	3.1	3.3	0.15	0.86	1.0	—	11,042	11,042	1.1	1.8	0.51	11,597
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	65	65	< 0.005	< 0.005	0.09	66
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	70	70	< 0.005	0.01	0.07	74
Hauling	0.19	0.03	2.0	1.1	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,663	1,663	0.16	0.27	1.3	1,748
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.01	11
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.01	12
Hauling	0.03	< 0.005	0.37	0.20	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	275	275	0.03	0.04	0.21	289

3.7. Building Construction (2028) - 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 Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,932	3,932	0.16	0.03	—	3,946
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 Equipment	0.04	0.04	1.0	1.3	< 0.005	0.03	—	0.03	0.02	—	0.02	—	231	231	0.01	< 0.005	—	232
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 Equipment	0.01	0.01	0.19	0.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38	38	< 0.005	< 0.005	—	38
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	1.8	1.8	1.6	22	0.00	0.00	6.2	6.2	0.00	1.4	1.4	—	5,744	5,744	0.08	0.22	0.47	5,813
Vendor	0.22	0.05	2.6	1.4	0.02	0.04	0.70	0.74	0.02	0.19	0.21	—	2,386	2,386	0.15	0.36	0.13	2,499
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	0.10	0.10	0.11	1.4	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	342	342	< 0.005	0.01	0.46	346
Vendor	0.01	< 0.005	0.15	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	140	140	0.01	0.02	0.13	147
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	0.02	0.02	0.02	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57	57	< 0.005	< 0.005	0.08	57
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23	23	< 0.005	< 0.005	0.02	24
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 (2029) - 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 Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,931	3,931	0.16	0.03	—	3,945
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 Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,931	3,931	0.16	0.03	—	3,945
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	0.43	0.43	12	16	0.03	0.33	—	0.33	0.30	—	0.30	—	2,808	2,808	0.11	0.02	—	2,818
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 Equipment	0.08	0.08	2.3	2.9	0.01	0.06	—	0.06	0.05	—	0.05	—	465	465	0.02	< 0.005	—	466
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	1.8	1.8	1.4	27	0.00	0.00	6.2	6.2	0.00	1.4	1.4	—	6,147	6,147	0.06	0.22	16	6,231
Vendor	0.21	0.05	2.4	1.3	0.02	0.02	0.70	0.72	0.02	0.19	0.21	—	2,322	2,322	0.15	0.35	4.6	2,434
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	1.7	1.5	1.6	21	0.00	0.00	6.2	6.2	0.00	1.4	1.4	—	5,641	5,641	0.07	0.22	0.42	5,710
Vendor	0.20	0.05	2.4	1.3	0.02	0.02	0.70	0.72	0.02	0.19	0.21	—	2,324	2,324	0.15	0.35	0.12	2,431
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	1.2	1.1	1.2	16	0.00	0.00	4.4	4.4	0.00	1.0	1.0	—	4,086	4,086	0.05	0.16	5.0	4,139
Vendor	0.15	0.04	1.8	0.93	0.01	0.01	0.50	0.51	0.01	0.14	0.15	—	1,659	1,659	0.11	0.25	1.4	1,737
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	0.22	0.19	0.21	2.8	0.00	0.00	0.79	0.79	0.00	0.19	0.19	—	676	676	0.01	0.03	0.82	685
Vendor	0.03	0.01	0.32	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	275	275	0.02	0.04	0.23	288

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 (2029) - 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 Equipment	0.23	0.23	7.2	11	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.23	0.23	7.2	11	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.08	0.08	2.5	3.6	< 0.005	0.03	—	0.03	0.03	—	0.03	—	517	517	0.02	< 0.005	—	519
Paving	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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 Equipment	0.01	0.01	0.45	0.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	86	86	< 0.005	< 0.005	—	86
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.87	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.51	198
Vendor	0.09	0.02	1.0	0.57	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,019	1,019	0.07	0.15	2.0	1,068
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	0.05	0.05	0.05	0.66	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	179	179	< 0.005	0.01	0.01	182
Vendor	0.09	0.02	1.1	0.58	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,020	1,020	0.07	0.15	0.05	1,067
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	0.02	0.02	0.02	0.24	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	62	62	< 0.005	< 0.005	0.08	63
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	349	349	0.02	0.05	0.30	366
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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	0.01	10
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	58	58	< 0.005	0.01	0.05	61
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 (2029) - 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 Equipment	0.08	0.08	4.3	3.9	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	47	47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.08	0.08	4.3	3.9	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	47	47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.03	0.03	1.5	1.3	< 0.005	0.04	—	0.04	0.04	—	0.04	—	183	183	0.01	< 0.005	—	184

Architect Coatings	16	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.01	0.01	0.27	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30	30	< 0.005	< 0.005	—	30
Architectural Coatings	3.0	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.36	0.35	0.29	5.5	0.00	0.00	1.2	1.2	0.00	0.29	0.29	—	1,229	1,229	0.01	0.04	3.2	1,246
Vendor	0.09	0.02	1.0	0.57	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,019	1,019	0.07	0.15	2.0	1,068
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	0.34	0.29	0.33	4.1	0.00	0.00	1.2	1.2	0.00	0.29	0.29	—	1,128	1,128	0.01	0.04	0.08	1,142
Vendor	0.09	0.02	1.1	0.58	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,020	1,020	0.07	0.15	0.05	1,067
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	0.12	0.10	0.11	1.5	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	392	392	< 0.005	0.02	0.48	397
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	—	349	349	0.02	0.05	0.30	366
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	0.02	0.02	0.02	0.27	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	65	65	< 0.005	< 0.005	0.08	66
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	58	58	< 0.005	0.01	0.05	61
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

4.10. 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	7/1/2028	8/18/2028	5.0	35	—
Site Preparation	Site Preparation	8/19/2028	9/15/2028	5.0	20	—
Grading	Grading	9/16/2028	12/1/2028	5.0	55	—
Building Construction	Building Construction	12/2/2028	12/31/2029	5.0	281	—
Paving	Paving	7/10/2029	12/31/2029	5.0	125	—
Architectural Coating	Architectural Coating	7/10/2029	12/31/2029	5.0	125	—

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	Tractors/Loaders/Back	Diesel	Tier 4 Interim	6.0	8.0	84	0.37
Demolition	Excavators	Diesel	Tier 4 Interim	2.0	8.0	36	0.38
Demolition	Other Material Handling Equipment	Diesel	Tier 4 Interim	2.0	8.0	93	0.40
Demolition	Off-Highway Trucks	Diesel	Tier 3	2.0	8.0	376	0.38
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.0	8.0	367	0.40
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	4.0	8.0	84	0.37
Grading	Graders	Diesel	Tier 4 Interim	4.0	8.0	148	0.41
Grading	Excavators	Diesel	Tier 4 Interim	2.0	8.0	36	0.38
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	4.0	8.0	367	0.40
Grading	Off-Highway Trucks	Diesel	Tier 4 Interim	2.0	8.0	376	0.38
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.0	8.0	87	0.43
Building Construction	Forklifts	Diesel	Tier 4 Interim	3.0	8.0	82	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Interim	2.0	8.0	14	0.74
Building Construction	Cranes	Diesel	Tier 3	2.0	8.0	367	0.29
Building Construction	Welders	Diesel	Tier 4 Interim	2.0	8.0	46	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.0	8.0	84	0.37
Paving	Pavers	Diesel	Tier 4 Interim	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Tier 4 Interim	2.0	8.0	36	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	3.0	8.0	37	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	Worker	30	19	LDA,LDT1,LDT2
Demolition	Vendor	10.0	10	HHDT,MHDT

Demolition	Hauling	3.1	20	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	18	19	LDA,LDT1,LDT2
Site Preparation	Vendor	6.0	10	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	35	19	LDA,LDT1,LDT2
Grading	Vendor	16	10	HHDT,MHDT
Grading	Hauling	170	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	472	19	LDA,LDT1,LDT2
Building Construction	Vendor	82	10	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15	19	LDA,LDT1,LDT2
Paving	Vendor	36	10	HHDT,MHDT
Paving	Hauling	0.00	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	94	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	36	10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	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	1,830,300	610,100	52,437

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	440	0.00
Site Preparation	—	—	70	0.00	0.00
Grading	74,738	—	275	0.00	0.00
Paving	0.00	0.00	0.00	0.00	23

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Industrial Park	0.00	0%
Paving	Unrefrigerated Warehouse-No Rail	0.00	0%
Paving	Unrefrigerated Warehouse-No Rail	0.00	0%
Paving	City Park	0.00	0%
Paving	Parking Lot	11	100%
Paving	Other Non-Asphalt Surfaces	12	0%
Paving	Hospital	0.00	0%

Paving	Strip Mall	0.00	0%
Paving	Fast Food Restaurant with Drive Thru	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005

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	20	annual days of extreme heat
Extreme Precipitation	3.1	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.8	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	77
AQ-PM	93

AQ-DPM	57
Drinking Water	100
Lead Risk Housing	17
Pesticides	85
Toxic Releases	68
Traffic	18
Effect Indicators	—
CleanUp Sites	80
Groundwater	98
Haz Waste Facilities/Generators	87
Impaired Water Bodies	87
Solid Waste	99
Sensitive Population	—
Asthma	17
Cardio-vascular	29
Low Birth Weights	49
Socioeconomic Factor Indicators	—
Education	53
Housing	59
Linguistic	69
Poverty	35
Unemployment	36

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	73.60451687

Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719
Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6

High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5

Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72
Healthy Places Index Score for Project Location (b)	55
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, Building Construction, Paving, and Architectural Coating.
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.3:

CALEEMOD PHASE 3 CONSTRUCTION EMISSIONS MODEL OUTPUTS

16285 Eucalyptus BP Construction Ph3 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

3. Construction Emissions Details

3.1. Demolition (2030) - Unmitigated

3.3. Site Preparation (2030) - Unmitigated

3.5. Grading (2030) - Unmitigated

3.7. Building Construction (2030) - Unmitigated

3.9. Building Construction (2031) - Unmitigated

3.11. Paving (2031) - Unmitigated

3.13. Architectural Coating (2031) - Unmitigated

4. Operations Emissions Details

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

5.18. 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

8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	16285 Eucalyptus BP Construction Ph3
Construction Start Date	1/1/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.6
Precipitation (days)	19
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.32

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
Industrial Park	163	1000sqft	3.7	162,600	157,949	—	—	—
Unrefrigerated Warehouse-No Rail	164	1000sqft	3.8	163,600	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	48	1000sqft	1.1	47,900	0.00	—	—	HCFC Sort
City Park	21	Acre	21	0.00	0.00	0.00	—	—
Parking Lot	1,271	Space	11	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	2.6	Acre	2.6	0.00	0.00	—	—	—
Manufacturing	212	1000sqft	4.9	211,700	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.	61	61	46	71	0.19	0.68	11	12	0.62	4.6	5.0	—	22,627	22,627	1.4	1.8	18	23,229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	61	61	47	71	0.19	0.68	11	12	0.62	4.6	5.0	—	22,596	22,596	1.4	1.8	0.47	23,180
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17	17	18	29	0.06	0.32	3.6	3.9	0.29	1.2	1.5	—	7,689	7,689	0.36	0.44	3.0	7,832
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.1	3.1	3.3	5.4	0.01	0.06	0.66	0.71	0.05	0.22	0.27	—	1,273	1,273	0.06	0.07	0.49	1,297

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	2.7	1.7	46	71	0.19	0.47	11	12	0.42	4.6	5.0	—	22,627	22,627	1.4	1.8	18	23,229
2031	61	61	32	53	0.08	0.68	4.7	5.4	0.62	1.1	1.8	—	11,959	11,959	0.40	0.38	12	12,095
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	2.6	1.7	47	71	0.19	0.57	11	12	0.51	4.6	5.0	—	22,596	22,596	1.4	1.8	0.47	23,180
2031	61	61	32	49	0.08	0.68	4.7	5.4	0.62	1.1	1.8	—	11,640	11,640	0.41	0.51	0.30	11,802
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.2	0.95	18	29	0.06	0.32	3.6	3.9	0.29	1.2	1.5	—	7,689	7,689	0.36	0.44	3.0	7,832
2031	17	17	10	16	0.03	0.22	1.6	1.8	0.21	0.38	0.58	—	3,848	3,848	0.13	0.17	1.7	3,902
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.22	0.17	3.3	5.4	0.01	0.06	0.66	0.71	0.05	0.22	0.27	—	1,273	1,273	0.06	0.07	0.49	1,297
2031	3.1	3.1	1.9	3.0	< 0.005	0.04	0.29	0.33	0.04	0.07	0.11	—	637	637	0.02	0.03	0.28	646

3. Construction Emissions Details

3.1. Demolition (2030) - 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 Equipment	0.87	0.87	24	32	0.05	0.56	—	0.56	0.51	—	0.51	—	5,387	5,387	0.22	0.04	—	5,405
Demolition	—	—	—	—	—	—	0.40	0.40	—	0.06	0.06	—	—	—	—	—	—	—
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 Equipment	0.08	0.08	2.3	3.1	< 0.005	0.05	—	0.05	0.05	—	0.05	—	517	517	0.02	< 0.005	—	518
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
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 Equipment	0.02	0.02	0.42	0.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	86	86	< 0.005	< 0.005	—	86
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.09	0.09	1.2	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	353	353	< 0.005	0.01	0.02	357
Vendor	0.01	< 0.005	0.17	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	165	165	0.01	0.03	0.01	173
Hauling	0.05	0.01	0.51	0.28	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	441	441	0.04	0.07	0.02	464
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34	34	< 0.005	< 0.005	0.04	35
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16	16	< 0.005	< 0.005	0.01	17
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42	42	< 0.005	0.01	0.03	44
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.7	5.7	< 0.005	< 0.005	0.01	5.8
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.6	2.6	< 0.005	< 0.005	< 0.005	2.7
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.0	7.0	< 0.005	< 0.005	< 0.005	7.4

3.3. Site Preparation (2030) - 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 Equipment	0.68	0.68	16	30	0.05	0.10	—	0.10	0.10	—	0.10	—	5,531	5,531	0.22	0.04	—	5,550
Dust From Material Movement	—	—	—	—	—	—	5.7	5.7	—	2.7	2.7	—	—	—	—	—	—	—

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 Equipment	0.04	0.04	0.86	1.6	< 0.005	0.01	—	0.01	0.01	—	0.01	—	303	303	0.01	< 0.005	—	304
Dust From Material Movement	—	—	—	—	—	—	0.31	0.31	—	0.15	0.15	—	—	—	—	—	—	—
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 Equipment	0.01	0.01	0.16	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50	50	< 0.005	< 0.005	—	50
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
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	0.06	0.05	0.05	0.71	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	206	206	< 0.005	0.01	0.01	208
Vendor	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	83	83	< 0.005	0.01	< 0.005	86
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	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.01	12
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.5	4.5	< 0.005	< 0.005	< 0.005	4.7
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	—	1.9	1.9	< 0.005	< 0.005	< 0.005	1.9
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.75	0.75	< 0.005	< 0.005	< 0.005	0.78
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 (2030) - 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 Equipment	1.4	1.4	34	63	0.11	0.27	—	0.27	0.27	—	0.27	—	11,437	11,437	0.46	0.09	—	11,477
Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.6	3.6	—	—	—	—	—	—	—
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 Equipment	1.4	1.4	34	63	0.11	0.27	—	0.27	0.27	—	0.27	—	11,437	11,437	0.46	0.09	—	11,477

Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.6	3.6	—	—	—	—	—	—	—
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 Equipment	0.21	0.21	5.1	9.5	0.02	0.04	—	0.04	0.04	—	0.04	—	1,723	1,723	0.07	0.01	—	1,729
Dust From Material Movement	—	—	—	—	—	—	1.2	1.2	—	0.54	0.54	—	—	—	—	—	—	—
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 Equipment	0.04	0.04	0.94	1.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	285	285	0.01	< 0.005	—	286
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.10	0.10	—	—	—	—	—	—	—
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	0.13	0.11	0.09	1.9	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	448	448	< 0.005	0.02	1.1	454
Vendor	0.02	0.01	0.25	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	247	247	0.01	0.04	0.44	260
Hauling	1.1	0.18	12	6.7	0.08	0.15	3.1	3.3	0.15	0.86	1.0	—	10,494	10,494	0.91	1.7	16	11,039

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.11	1.4	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	411	411	0.01	0.02	0.03	416
Vendor	0.02	0.01	0.26	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	248	248	0.01	0.04	0.01	259
Hauling	1.1	0.16	12	6.7	0.08	0.15	3.1	3.3	0.15	0.86	1.0	—	10,499	10,499	0.90	1.7	0.43	11,028
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	63	63	< 0.005	< 0.005	0.07	64
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37	37	< 0.005	0.01	0.03	39
Hauling	0.16	0.03	1.9	1.0	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,582	1,582	0.14	0.26	1.1	1,662
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10	10	< 0.005	< 0.005	0.01	11
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.2	6.2	< 0.005	< 0.005	< 0.005	6.5
Hauling	0.03	< 0.005	0.34	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	262	262	0.02	0.04	0.18	275

3.7. Building Construction (2030) - 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 Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,931	3,931	0.16	0.03	—	3,945
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-Roa Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,931	3,931	0.16	0.03	—	3,945
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-Roa d Equipm ent	0.25	0.25	7.2	9.1	0.02	0.19	—	0.19	0.17	—	0.17	—	1,623	1,623	0.07	0.01	—	1,629
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-Roa d Equipm ent	0.05	0.05	1.3	1.7	< 0.005	0.03	—	0.03	0.03	—	0.03	—	269	269	0.01	< 0.005	—	270
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	0.89	0.78	0.64	13	0.00	0.00	3.2	3.2	0.00	0.75	0.75	—	3,150	3,150	0.03	0.12	7.5	3,193
Vendor	0.10	0.03	1.3	0.70	0.01	0.01	0.39	0.40	0.01	0.11	0.12	—	1,265	1,265	0.07	0.19	2.2	1,327
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	0.85	0.73	0.74	10	0.00	0.00	3.2	3.2	0.00	0.75	0.75	—	2,891	2,891	0.04	0.12	0.19	2,927
Vendor	0.10	0.03	1.3	0.71	0.01	0.01	0.39	0.40	0.01	0.11	0.12	—	1,266	1,266	0.07	0.19	0.06	1,325
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	0.35	0.30	0.31	4.3	0.00	0.00	1.3	1.3	0.00	0.31	0.31	—	1,210	1,210	0.02	0.05	1.3	1,227
Vendor	0.04	0.01	0.55	0.29	< 0.005	< 0.005	0.16	0.17	< 0.005	0.04	0.05	—	522	522	0.03	0.08	0.40	547
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	0.06	0.05	0.06	0.79	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	200	200	< 0.005	0.01	0.22	203
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	86	86	0.01	0.01	0.07	91
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 (2031) - 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 Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,931	3,931	0.16	0.03	—	3,945
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 Equipment	0.60	0.60	17	22	0.04	0.46	—	0.46	0.41	—	0.41	—	3,931	3,931	0.16	0.03	—	3,945
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	0.21	0.21	6.2	7.8	0.01	0.16	—	0.16	0.15	—	0.15	—	1,392	1,392	0.06	0.01	—	1,397
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 Equipment	0.04	0.04	1.1	1.4	< 0.005	0.03	—	0.03	0.03	—	0.03	—	231	231	0.01	< 0.005	—	231
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	0.85	0.73	0.63	12	0.00	0.00	3.2	3.2	0.00	0.75	0.75	—	3,100	3,100	0.03	0.02	6.6	3,112
Vendor	0.10	0.03	1.2	0.67	0.01	0.01	0.39	0.40	0.01	0.11	0.12	—	1,224	1,224	0.07	0.18	1.9	1,282
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	0.80	0.69	0.64	9.3	0.00	0.00	3.2	3.2	0.00	0.75	0.75	—	2,846	2,846	0.03	0.12	0.17	2,881
Vendor	0.10	0.03	1.3	0.68	0.01	0.01	0.39	0.40	0.01	0.11	0.12	—	1,225	1,225	0.07	0.18	0.05	1,281
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	0.29	0.24	0.23	3.5	0.00	0.00	1.1	1.1	0.00	0.26	0.26	—	1,022	1,022	0.01	0.04	1.0	1,036
Vendor	0.04	0.01	0.45	0.24	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	434	434	0.03	0.07	0.29	454
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	0.05	0.04	0.04	0.63	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	169	169	< 0.005	0.01	0.17	171
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	72	72	< 0.005	0.01	0.05	75

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 (2031) - 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 Equipment	0.23	0.23	7.2	11	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.30	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.23	0.23	7.2	11	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.30	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.06	0.06	2.0	2.9	< 0.005	0.02	—	0.02	0.02	—	0.02	—	414	414	0.02	< 0.005	—	415
Paving	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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 Equipment	0.01	0.01	0.36	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	69	69	< 0.005	< 0.005	—	69
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.04	0.04	0.75	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	< 0.005	0.40	190
Vendor	0.04	0.01	0.42	0.23	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	426	426	0.03	0.06	0.67	446
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	0.05	0.04	0.04	0.57	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	173	173	< 0.005	0.01	0.01	176
Vendor	0.03	0.01	0.44	0.24	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	426	426	0.03	0.06	0.02	446
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	0.16	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	48	48	< 0.005	< 0.005	0.05	49
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	117	117	0.01	0.02	0.08	122
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	—	8.0	8.0	< 0.005	< 0.005	0.01	8.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19	19	< 0.005	< 0.005	0.01	20
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 (2031) - 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 Equipment	0.08	0.08	4.3	3.9	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	59	59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.08	0.08	4.3	3.9	0.01	0.12	—	0.12	0.11	—	0.11	—	534	534	0.02	< 0.005	—	536
Architectural Coatings	59	59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	0.02	0.02	1.2	1.1	< 0.005	0.03	—	0.03	0.03	—	0.03	—	146	146	0.01	< 0.005	—	147

Architect Coatings	16	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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 Equipment	< 0.005	< 0.005	0.21	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24	24	< 0.005	< 0.005	—	24
Architectural Coatings	3.0	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.17	0.15	0.13	2.5	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	620	620	0.01	< 0.005	1.3	622
Vendor	0.04	0.01	0.42	0.23	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	426	426	0.03	0.06	0.67	446
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	0.16	0.14	0.13	1.9	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	569	569	0.01	0.02	0.03	576
Vendor	0.03	0.01	0.44	0.24	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	426	426	0.03	0.06	0.02	446
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	0.04	0.04	0.03	0.54	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	158	158	< 0.005	0.01	0.16	160
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	117	117	0.01	0.02	0.08	122
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	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26	26	< 0.005	< 0.005	0.03	27
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19	19	< 0.005	< 0.005	0.01	20
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

4.10. 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	1/1/2030	2/18/2030	5.0	35	—
Site Preparation	Site Preparation	2/19/2030	3/18/2030	5.0	20	—
Grading	Grading	3/19/2030	6/3/2030	5.0	55	—
Building Construction	Building Construction	6/4/2030	6/30/2031	5.0	280	—
Paving	Paving	2/11/2031	6/30/2031	5.0	100	—
Architectural Coating	Architectural Coating	2/11/2031	6/30/2031	5.0	100	—

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	Tractors/Loaders/Back	Diesel	Tier 4 Interim	6.0	8.0	84	0.37
Demolition	Excavators	Diesel	Tier 4 Interim	2.0	8.0	36	0.38
Demolition	Other Material Handling Equipment	Diesel	Tier 4 Interim	2.0	8.0	93	0.40
Demolition	Off-Highway Trucks	Diesel	Tier 3	2.0	8.0	376	0.38
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.0	8.0	367	0.40
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	4.0	8.0	87	0.43
Grading	Graders	Diesel	Tier 4 Interim	4.0	8.0	148	0.41
Grading	Excavators	Diesel	Tier 4 Interim	2.0	8.0	36	0.38
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	4.0	8.0	367	0.40
Grading	Off-Highway Trucks	Diesel	Tier 4 Interim	2.0	8.0	376	0.38
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.0	8.0	87	0.43
Building Construction	Forklifts	Diesel	Tier 4 Interim	3.0	8.0	82	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Interim	2.0	8.0	14	0.74
Building Construction	Cranes	Diesel	Tier 3	2.0	8.0	367	0.29
Building Construction	Welders	Diesel	Tier 4 Interim	2.0	8.0	46	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.0	8.0	84	0.37
Paving	Pavers	Diesel	Tier 4 Interim	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Tier 4 Interim	2.0	8.0	36	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	3.0	8.0	37	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	Worker	30	19	LDA,LDT1,LDT2
Demolition	Vendor	6.0	10	HHDT,MHDT

Demolition	Hauling	7.1	20	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	18	19	LDA,LDT1,LDT2
Site Preparation	Vendor	3.0	10	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	35	19	LDA,LDT1,LDT2
Grading	Vendor	9.0	10	HHDT,MHDT
Grading	Hauling	170	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	246	19	LDA,LDT1,LDT2
Building Construction	Vendor	46	10	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15	19	LDA,LDT1,LDT2
Paving	Vendor	16	10	HHDT,MHDT
Paving	Hauling	0.00	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	49	19	LDA,LDT1,LDT2
Architectural Coating	Vendor	16	10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	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	1,830,300	610,100	52,437

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	1,000	0.00
Site Preparation	—	—	70	0.00	0.00
Grading	74,738	—	275	0.00	0.00
Paving	0.00	0.00	0.00	0.00	14

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Industrial Park	0.00	0%
Paving	Unrefrigerated Warehouse-No Rail	0.00	0%
Paving	Unrefrigerated Warehouse-No Rail	0.00	0%
Paving	City Park	0.00	0%
Paving	Parking Lot	11	100%
Paving	Other Non-Asphalt Surfaces	2.6	0%
Paving	Manufacturing	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	0.00	532	0.03	< 0.005
2031	0.00	532	0.03	< 0.005

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	20	annual days of extreme heat
Extreme Precipitation	3.1	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.8	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	77
AQ-PM	93
AQ-DPM	57
Drinking Water	100
Lead Risk Housing	17

Pesticides	85
Toxic Releases	68
Traffic	18
Effect Indicators	—
CleanUp Sites	80
Groundwater	98
Haz Waste Facilities/Generators	87
Impaired Water Bodies	87
Solid Waste	99
Sensitive Population	—
Asthma	17
Cardio-vascular	29
Low Birth Weights	49
Socioeconomic Factor Indicators	—
Education	53
Housing	59
Linguistic	69
Poverty	35
Unemployment	36

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—

Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719
Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7

Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6

Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72
Healthy Places Index Score for Project Location (b)	55
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Construction schedule provided by Project team.

Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, Building Construction, Paving, and Architectural Coating.
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.4:

CRUSHING FUGITIVE DUST CALCULATIONS

Rock Crusher Emission Calculations

Directions: Please enter your data in the beige cells. Emission factors and control factors are listed on separate pages of this spreadsheet.

Operating Schedule:	8	hr/day	5	day/week	50	week/year	2000	hr/year

Table 1: Crushing Capacity	Primary	Secondary	Secondary	Tertiary	Tertiary	Fines	Fines
Emission Factor Source	Primary Crushing (Jaw) - Dry1	Secondary Crushing (All) - Dry1	Tertiary Crushing (All) - Wet	Fines Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet
EPN Number							
Hourly throughput (tons/hr)	20	20	20	20			
Annual throughput (tons/yr)	5,500	5,500	5,500	5,500			
Emission Factor, PM (Table A)	0.0007	0.0054	0.0012	0.003	0.0012	0.0012	0.0012
Emission Factor, PM10 (Table A)	0.00033	0.0024	0.00054	0.0012	0.00054	0.00054	0.00054
Emission Factor, PM2.5 (Table A)	0.00005	0.00036	0.0001	0.00007	0.0001	0.0001	0.0001
Control Factor (Table B)	1	1		1		1	
PM emissions (lb/hr)	0.0138	0.1061	0.0000	0.0589	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0065	0.0471	0.0000	0.0236	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0010	0.0071	0.0000	0.0014	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0019	0.0149	0.0000	0.0083	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0009	0.0066	0.0000	0.0033	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0001	0.0010	0.0000	0.0002	0.0000	0.0000	0.0000

Note: Use Primary Crushing (Jaw) emission factor for jaw crushers only.
All other types of crushers are considered either "Secondary" or "Tertiary."
You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 2: Screening	Screen #1	Screen #2	Screen #3	Screen #4	Screen #5	Screen #6	Screen #7
Emission Factor Source	Fines Screening - Wet	Fines Screening - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet
EPN Number							
Hourly throughput (tons/hr)	20	20					
Annual throughput (tons/yr)	5,500	5,500					
Emission Factor, PM (Table A)	0.0036	0.0036	0.0022	0.0022	0.0022	0.0022	0.0022
Emission Factor, PM10 (Table A)	0.0022	0.0022	0.00074	0.00074	0.00074	0.00074	0.00074
Emission Factor, PM2.5 (Table A)	0.00033	0.00033	0.00005	0.00005	0.00005	0.00005	0.00
Control Factor, CF (Table B)	1	1					
PM emissions (lb/hr)	0.0707	0.0707	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0432	0.0432	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0065	0.0065	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0099	0.0099	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0061	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 3: Truck Loading/Unloading Emissions	Unloading	Loading	
EPN Number			
Hourly throughput (tons/hr)	20	20	
Annual throughput (tons/yr)	5,500	5,500	
Emission Factor, PM (Table A)	0.000034	0.00021	
Emission Factor, PM10 (Table A)	0.000016	0.0001	
Emission Factor, PM2.5 (Table A)	0.000002	0.000015	
Control Factor, CF (Table B)	1	1	Totals
PM emissions (lb/hr)	0.0007	0.0041	0.0048
PM10 emissions (lb/hr)	0.0003	0.0020	0.0023
PM2.5 emissions (lb/hr)	0.0000	0.0003	0.0003
PM emissions (ton/yr)	0.0001	0.0006	0.0007
PM10 emissions (ton/yr)	0.0000	0.0003	0.0003
PM2.5 emissions (ton/yr)	0.0000	0.0000	0.0000

Note: Drops on and off of crushers are accounted for in the crusher emission factors.
Drops onto vibrating screens are accounted for in the screen emission factors.
The first drops off vibrating screens are NOT accounted for and must be included.
Type of Material: Sand, Washed Sand (WS), Aggregate, Washed Aggregate (WA)
Control Method: Wet Material, Water spray, Enclosure, Suction, etc.

Table 4: Drop Point Emissions	Drop #1	Drop #2	Drop #3	Drop #4	Drop #5	Drop #6	Drop #7
Emission Factor Source	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Dry	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet
EPN Number	1	1					
Hourly throughput (ton/hr)	0	0					
Annual throughput (ton/yr)	0	0					
Number of like transfer points	3	3					
Emission Factor, PM (Table A)	0.00014	0.00014	0.003	0.00014	0.00014	0.00014	0.00014
Emission Factor, PM10 (Table A)	0.000046	0.000046	0.0011	0.000046	0.000046	0.000046	0.000046
Emission Factor, PM2.5 (Table A)	0.000013	0.000013	0.00017	0.000013	0.000013	0.000013	0.000013
Control Factor (Table B)	1	1					
PM emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Drop Point Emissions continued	Drop #8	Drop #9	Drop #10	Drop #11	Drop #12	Drop #13	
Emission Factor Source	Conveyor Transfer - Wet	Conveyor Transfer - Dry	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet	
EPN Number							
Hourly throughput (ton/hr)							
Annual throughput (ton/yr)							
Number of like transfer points							
Emission Factor, PM (Table A)	0.00014	0.00014	0.003	0.00014	0.00014	0.00014	
Emission Factor, PM10 (Table A)	0.000046	0.0011	0.000046	0.000046	0.000046	0.000046	
Emission Factor, PM2.5 (Table A)	0.000013	0.00017	0.000013	0.000013	0.000013	0.000013	
Control Factor (Table B)							TOTAL
PM emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 5: Raw Material Stockpiles (Using stockpile equation)	
Stockpile Area (acres)	
Control Factor	
Number of active days per year	
PM inactive emissions (ton/yr)	0.0000
PM10 inactive emissions (ton/yr)	0.0000
PM2.5 inactive emissions (ton/yr)	0.0000
PM active emissions (ton/yr)	0.0000
PM10 active emissions (ton/yr)	0.0000
PM2.5 active emissions (ton/yr)	0.0000
Total PM emissions (ton/yr)	0.0000
Total PM10 emissions (ton/yr)	0.0000
Total PM2.5 emissions (ton/yr)	0.0000

Note: Active stockpiles are those that have more than 8 hours of activity per 24 hours.
You may not use wet factors with additional credit for water controls (wet material/water spray).

Summary of Rock Crusher Emissions

Source		Pollutant	lb/hr	ton/yr
Table1:	**Crushers**			
		PM	0.014	0.002
	Primary	PM10	0.006	0.001
		PM2.5	0.001	0.000
		PM	0.106	0.015
	Secondary	PM10	0.047	0.007
		PM2.5	0.007	0.001
		PM	0.000	0.000
	Secondary	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.059	0.008
	Tertiary	PM10	0.024	0.003
		PM2.5	0.008	0.000
		PM	0.000	0.000
	Tertiary	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	Fines	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	Fines	PM10	0.000	0.000
		PM2.5	0.000	0.000
Table 2:	**Screens**			
		PM	0.071	0.010
	#1	PM10	0.043	0.006
		PM2.5	0.006	0.001
		PM	0.071	0.010
	#2	PM10	0.043	0.006
		PM2.5	0.006	0.001
		PM	0.000	0.000
	#3	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	#4	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	#5	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	#6	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	#7	PM10	0.000	0.000
		PM2.5	0.000	0.000
Table 3:	**Truck Loading**	PM	0.005	0.001
		PM10	0.002	0.000
		PM2.5	0.000	0.000
Table 6:	**Drop points**	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
Table 7:	**Stockpiles**	PM		0.000
		PM10		0.000
		PM2.5		0.000

Rock Crusher Emission Calculations

Directions: Please enter your data in the beige cells. Emission factors and control factors are listed on separate pages of this spreadsheet.

Operating Schedule:	8	hr/day	5	day/week	50	week/year	2000	hr/year

Table 1: Crushing Capacity	Primary	Secondary	Secondary	Tertiary	Tertiary	Fines	Fines
Emission Factor Source	Primary Crushing (Jaw) - Dry1	Secondary Crushing (All) - Dry1	Tertiary Crushing (All) - Wet	Fines Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet
EPN Number							
Hourly throughput (tons/hr)	22	22	22	22			
Annual throughput (tons/yr)	6,120	6,120	6,120	6,120			
Emission Factor, PM (Table A)	0.0007	0.0054	0.0012	0.003	0.0012	0.0012	0.0012
Emission Factor, PM10 (Table A)	0.00033	0.0024	0.00054	0.0012	0.00054	0.00054	0.00054
Emission Factor, PM2.5 (Table A)	0.00005	0.00036	0.0001	0.00007	0.0001	0.0001	0.0001
Control Factor (Table B)	1	1		1		1	
PM emissions (lb/hr)	0.0153	0.1180	0.0000	0.0656	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0072	0.0525	0.0000	0.0262	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0011	0.0079	0.0000	0.0015	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0021	0.0165	0.0000	0.0092	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0010	0.0073	0.0000	0.0037	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0002	0.0011	0.0000	0.0002	0.0000	0.0000	0.0000

Note: Use Primary Crushing (Jaw) emission factor for jaw crushers only.
All other types of crushers are considered either "Secondary" or "Tertiary."
You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 2: Screening	Screen #1	Screen #2	Screen #3	Screen #4	Screen #5	Screen #6	Screen #7
Emission Factor Source	Fines Screening - Wet	Fines Screening - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet
EPN Number							
Hourly throughput (tons/hr)	22	22					
Annual throughput (tons/yr)	6,120	6,120					
Emission Factor, PM (Table A)	0.0036	0.0036	0.0022	0.0022	0.0022	0.0022	0.0022
Emission Factor, PM10 (Table A)	0.0022	0.0022	0.00074	0.00074	0.00074	0.00074	0.00074
Emission Factor, PM2.5 (Table A)	0.00033	0.00033	0.00005	0.00005	0.00005	0.00005	0.00
Control Factor, CF (Table B)	1	1					
PM emissions (lb/hr)	0.0787	0.0787	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0481	0.0481	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0072	0.0072	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0110	0.0110	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0067	0.0067	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 3: Truck Loading/Unloading Emissions	Unloading	Loading	
EPN Number			
Hourly throughput (tons/hr)	22	22	
Annual throughput (tons/yr)	6,120	6,120	
Emission Factor, PM (Table A)	0.000034	0.00021	
Emission Factor, PM10 (Table A)	0.000016	0.0001	
Emission Factor, PM2.5 (Table A)	0.000002	0.000015	
Control Factor, CF (Table B)	1	1	Totals
PM emissions (lb/hr)	0.0007	0.0046	0.0053
PM10 emissions (lb/hr)	0.0003	0.0022	0.0025
PM2.5 emissions (lb/hr)	0.0000	0.0003	0.0004
PM emissions (ton/yr)	0.0001	0.0006	0.0007
PM10 emissions (ton/yr)	0.0000	0.0003	0.0004
PM2.5 emissions (ton/yr)	0.0000	0.0000	0.0001

Note: Drops on and off of crushers are accounted for in the crusher emission factors.
Drops onto vibrating screens are accounted for in the screen emission factors.
The first drops off vibrating screens are NOT accounted for and must be included.
Type of Material: Sand, Washed Sand (WS), Aggregate, Washed Aggregate (WA)
Control Method: Wet Material, Water spray, Enclosure, Suction, etc.

Table 4: Drop Point Emissions	Drop #1	Drop #2	Drop #3	Drop #4	Drop #5	Drop #6	Drop #7
Emission Factor Source	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Dry	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet
EPN Number	1	1					
Hourly throughput (ton/hr)	0	0					
Annual throughput (ton/yr)	0	0					
Number of like transfer points	3	3					
Emission Factor, PM (Table A)	0.00014	0.00014	0.003	0.00014	0.00014	0.00014	0.00014
Emission Factor, PM10 (Table A)	0.000046	0.000046	0.0011	0.000046	0.000046	0.000046	0.000046
Emission Factor, PM2.5 (Table A)	0.000013	0.000013	0.00017	0.000013	0.000013	0.000013	0.000013
Control Factor (Table B)	1	1					
PM emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Drop Point Emissions continued	Drop #8	Drop #9	Drop #10	Drop #11	Drop #12	Drop #13	
Emission Factor Source	Conveyor Transfer - Wet	Conveyor Transfer - Dry	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet	
EPN Number							
Hourly throughput (ton/hr)							
Annual throughput (ton/yr)							
Number of like transfer points							
Emission Factor, PM (Table A)	0.00014	0.00014	0.003	0.00014	0.00014	0.00014	
Emission Factor, PM10 (Table A)	0.000046	0.0011	0.000046	0.000046	0.000046	0.000046	
Emission Factor, PM2.5 (Table A)	0.000013	0.00017	0.000013	0.000013	0.000013	0.000013	
Control Factor (Table B)							TOTAL
PM emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 5: Raw Material Stockpiles (Using stockpile equation)	
Stockpile Area (acres)	
Control Factor	
Number of active days per year	
PM inactive emissions (ton/yr)	0.0000
PM10 inactive emissions (ton/yr)	0.0000
PM2.5 inactive emissions (ton/yr)	0.0000
PM active emissions (ton/yr)	0.0000
PM10 active emissions (ton/yr)	0.0000
PM2.5 active emissions (ton/yr)	0.0000
Total PM emissions (ton/yr)	0.0000
Total PM10 emissions (ton/yr)	0.0000
Total PM2.5 emissions (ton/yr)	0.0000

Note: Active stockpiles are those that have more than 8 hours of activity per 24 hours.
You may not use wet factors with additional credit for water controls (wet material/water spray).

Summary of Rock Crusher Emissions

Source		Pollutant	lb/hr	ton/yr
Table1:	**Crushers**			
		PM	0.015	0.002
	Primary	PM10	0.007	0.001
		PM2.5	0.001	0.000
		PM	0.118	0.017
	Secondary	PM10	0.052	0.007
		PM2.5	0.008	0.001
		PM	0.000	0.000
	Secondary	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.066	0.009
	Tertiary	PM10	0.026	0.004
		PM2.5	0.009	0.000
		PM	0.000	0.000
	Tertiary	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	Fines	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	Fines	PM10	0.000	0.000
		PM2.5	0.000	0.000
Table 2:	**Screens**			
		PM	0.079	0.011
	#1	PM10	0.048	0.007
		PM2.5	0.007	0.001
		PM	0.079	0.011
	#2	PM10	0.048	0.007
		PM2.5	0.007	0.001
		PM	0.000	0.000
	#3	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	#4	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	#5	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	#6	PM10	0.000	0.000
		PM2.5	0.000	0.000
		PM	0.000	0.000
	#7	PM10	0.000	0.000
		PM2.5	0.000	0.000
Table 3:	**Truck Loading**	PM	0.005	0.001
		PM10	0.003	0.000
		PM2.5	0.000	0.000
Table 6:	**Drop points**	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
Table 7:	**Stockpiles**	PM		0.000
		PM10		0.000
		PM2.5		0.000

Rock Crusher Emission Calculations

Directions: Please enter your data in the beige cells. Emission factors and control factors are listed on separate pages of this spreadsheet.

Operating Schedule:	8	hr/day	5	day/week	50	week/year	2000	hr/year

Table 1: Crushing Capacity	Primary	Secondary	Secondary	Tertiary	Tertiary	Fines	Fines
Emission Factor Source	Primary Crushing (Jaw) - Dry1	Secondary Crushing (All) - Dry1	Tertiary Crushing (All) - Wet	Fines Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet
EPN Number							
Hourly throughput (tons/hr)	13	13	13	13			
Annual throughput (tons/yr)	3,680	3,680	3,680	3,680			
Emission Factor, PM (Table A)	0.0007	0.0054	0.0012	0.003	0.0012	0.0012	0.0012
Emission Factor, PM10 (Table A)	0.00033	0.0024	0.00054	0.0012	0.00054	0.00054	0.00054
Emission Factor, PM2.5 (Table A)	0.00005	0.00036	0.0001	0.00007	0.0001	0.0001	0.0001
Control Factor (Table B)	1	1		1		1	
PM emissions (lb/hr)	0.0092	0.0710	0.0000	0.0394	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0043	0.0315	0.0000	0.0158	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0007	0.0047	0.0000	0.0009	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0013	0.0099	0.0000	0.0055	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0006	0.0044	0.0000	0.0022	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0001	0.0007	0.0000	0.0001	0.0000	0.0000	0.0000

Note: Use Primary Crushing (Jaw) emission factor for jaw crushers only.
All other types of crushers are considered either "Secondary" or "Tertiary."
You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 2: Screening	Screen #1	Screen #2	Screen #3	Screen #4	Screen #5	Screen #6	Screen #7
Emission Factor Source	Fines Screening - Wet	Fines Screening - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet
EPN Number							
Hourly throughput (tons/hr)	13	13					
Annual throughput (tons/yr)	3,680	3,680					
Emission Factor, PM (Table A)	0.0036	0.0036	0.0022	0.0022	0.0022	0.0022	0.0022
Emission Factor, PM10 (Table A)	0.0022	0.0022	0.00074	0.00074	0.00074	0.00074	0.00074
Emission Factor, PM2.5 (Table A)	0.00033	0.00033	0.00005	0.00005	0.00005	0.00005	0.00
Control Factor, CF (Table B)	1	1					
PM emissions (lb/hr)	0.0473	0.0473	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0289	0.0289	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0043	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0040	0.0040	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 3: Truck Loading/Unloading Emissions	Unloading	Loading	
EPN Number			
Hourly throughput (tons/hr)	13	13	
Annual throughput (tons/yr)	3,680	3,680	
Emission Factor, PM (Table A)	0.000034	0.00021	
Emission Factor, PM10 (Table A)	0.000016	0.0001	
Emission Factor, PM2.5 (Table A)	0.000002	0.000015	
Control Factor, CF (Table B)	1	1	Totals
PM emissions (lb/hr)	0.0004	0.0028	0.0032
PM10 emissions (lb/hr)	0.0002	0.0013	0.0015
PM2.5 emissions (lb/hr)	0.0000	0.0002	0.0002
PM emissions (ton/yr)	0.0001	0.0004	0.0004
PM10 emissions (ton/yr)	0.0000	0.0002	0.0002
PM2.5 emissions (ton/yr)	0.0000	0.0000	0.0000

Note: Drops on and off of crushers are accounted for in the crusher emission factors.
Drops onto vibrating screens are accounted for in the screen emission factors.
The first drops off vibrating screens are NOT accounted for and must be included.
Type of Material: Sand, Washed Sand (WS), Aggregate, Washed Aggregate (WA)
Control Method: Wet Material, Water spray, Enclosure, Suction, etc.

Table 4: Drop Point Emissions	Drop #1	Drop #2	Drop #3	Drop #4	Drop #5	Drop #6	Drop #7
Emission Factor Source	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Dry	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet
EPN Number	1	1					
Hourly throughput (ton/hr)	0	0					
Annual throughput (ton/yr)	0	0					
Number of like transfer points	3	3					
Emission Factor, PM (Table A)	0.00014	0.00014	0.003	0.00014	0.00014	0.00014	0.00014
Emission Factor, PM10 (Table A)	0.000046	0.000046	0.0011	0.000046	0.000046	0.000046	0.000046
Emission Factor, PM2.5 (Table A)	0.000013	0.000013	0.00017	0.000013	0.000013	0.000013	0.000013
Control Factor (Table B)	1	1					
PM emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Drop Point Emissions continued	Drop #8	Drop #9	Drop #10	Drop #11	Drop #12	Drop #13	
Emission Factor Source	Conveyor Transfer - Wet	Conveyor Transfer - Dry	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet	Conveyor Transfer - Wet	
EPN Number							
Hourly throughput (ton/hr)							
Annual throughput (ton/yr)							
Number of like transfer points							
Emission Factor, PM (Table A)	0.00014	0.00014	0.003	0.00014	0.00014	0.00014	
Emission Factor, PM10 (Table A)	0.000046	0.0011	0.000046	0.000046	0.000046	0.000046	
Emission Factor, PM2.5 (Table A)	0.000013	0.00017	0.000013	0.000013	0.000013	0.000013	
Control Factor (Table B)							TOTAL
PM emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 5: Raw Material Stockpiles (Using stockpile equation)	
Stockpile Area (acres)	
Control Factor	
Number of active days per year	
PM inactive emissions (ton/yr)	0.0000
PM10 inactive emissions (ton/yr)	0.0000
PM2.5 inactive emissions (ton/yr)	0.0000
PM active emissions (ton/yr)	0.0000
PM10 active emissions (ton/yr)	0.0000
PM2.5 active emissions (ton/yr)	0.0000
Total PM emissions (ton/yr)	0.0000
Total PM10 emissions (ton/yr)	0.0000
Total PM2.5 emissions (ton/yr)	0.0000

Note: Active stockpiles are those that have more than 8 hours of activity per 24 hours.
You may not use wet factors with additional credit for water controls (wet material/water spray).

Summary of Rock Crusher Emissions

Source		Pollutant	lb/hr	ton/yr
Table1:	**Crushers**			
	Primary	PM	0.009	0.001
		PM10	0.004	0.001
		PM2.5	0.001	0.000
	Secondary	PM	0.071	0.010
		PM10	0.032	0.004
		PM2.5	0.005	0.001
	Secondary	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
	Tertiary	PM	0.039	0.006
		PM10	0.016	0.002
		PM2.5	0.006	0.000
	Tertiary	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
	Fines	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
	Fines	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
Table 2:	**Screens**			
	#1	PM	0.047	0.007
		PM10	0.029	0.004
		PM2.5	0.004	0.001
	#2	PM	0.047	0.007
		PM10	0.029	0.004
		PM2.5	0.004	0.001
	#3	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
	#4	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
	#5	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
	#6	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
	#7	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
Table 3:	**Truck Loading**	PM	0.003	0.000
		PM10	0.002	0.000
		PM2.5	0.000	0.000
Table 6:	**Drop points**	PM	0.000	0.000
		PM10	0.000	0.000
		PM2.5	0.000	0.000
Table 7:	**Stockpiles**	PM		0.000
		PM10		0.000
		PM2.5		0.000

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APPENDIX 3.5:

CALEEMOD PHASE 1 OPERATIONAL EMISSIONS MODEL OUTPUTS

16285 Eucalyptus BP Ops Ph1 Mitigated 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

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

8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	16285 Eucalyptus BP Ops Ph1 Mitigated
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.6
Precipitation (days)	19
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.35

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
Industrial Park	341	1000sqft	7.8	340,700	340,901	—	—	—
Unrefrigerated Warehouse-No Rail	553	1000sqft	13	553,300	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	326	1000sqft	7.5	326,200	0.00	—	—	HCFC Sort
City Park	34	Acre	34	0.00	0.00	0.00	—	—
Parking Lot	1,367	Space	12	546,800	0.00	—	—	—
Other Non-Asphalt Surfaces	7.8	Acre	7.8	0.00	0.00	—	—	—
User Defined Industrial	1,220	User Defined Unit	0.00	0.00	0.00	—	—	PC

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	62	55	79	253	1.0	1.5	58	59	1.4	15	16	1,216	116,300	117,515	130	14	303	125,083
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48	41	82	150	0.98	1.4	58	59	1.3	15	16	1,216	113,457	114,673	130	14	39	121,993
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	54	48	72	190	0.87	1.2	51	52	1.1	13	14	1,216	101,557	102,772	129	12	136	109,739
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.9	8.8	13	35	0.16	0.22	9.3	9.5	0.21	2.4	2.6	201	16,814	17,015	21	2.0	22	18,169

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	18	12	76	175	1.0	1.3	58	59	1.2	15	16	—	108,099	108,099	6.0	12	271	112,123
Area	43	42	0.65	77	< 0.005	0.14	—	0.14	0.10	—	0.10	—	316	316	0.01	< 0.005	—	317
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,666	5,666	0.54	0.07	—	5,699
Water	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	56	1.3	—	4,180
Waste	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67	0.00	—	2,361
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32	32
Stationary	0.79	0.72	2.0	1.8	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	62	55	79	253	1.0	1.5	58	59	1.4	15	16	1,216	116,300	117,515	130	14	303	125,083
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	18	11	80	148	0.98	1.3	58	59	1.2	15	16	—	105,573	105,573	6.1	12	7.0	109,351
Area	29	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,666	5,666	0.54	0.07	—	5,699
Water	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	56	1.3	—	4,180
Waste	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67	0.00	—	2,361
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32	32
Stationary	0.79	0.72	2.0	1.8	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	48	41	82	150	0.98	1.4	58	59	1.3	15	16	1,216	113,457	114,673	130	14	39	121,993
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16	10	72	137	0.87	1.1	51	52	1.1	13	14	—	93,774	93,774	5.3	11	104	97,200

Area	39	38	0.44	53	< 0.005	0.09	—	0.09	0.07	—	0.07	—	216	216	0.01	< 0.005	—	217
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,666	5,666	0.54	0.07	—	5,699
Water	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	56	1.3	—	4,180
Waste	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67	0.00	—	2,361
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32	32
Stationary	0.11	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	51	51	< 0.005	< 0.005	0.00	51
Total	54	48	72	190	0.87	1.2	51	52	1.1	13	14	1,216	101,557	102,772	129	12	136	109,739
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.8	1.8	13	25	0.16	0.20	9.3	9.5	0.19	2.4	2.6	—	15,525	15,525	0.88	1.8	17	16,093
Area	7.1	6.9	0.08	9.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	36	36	< 0.005	< 0.005	—	36
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	938	938	0.09	0.01	—	944
Water	—	—	—	—	—	—	—	—	—	—	—	90	306	396	9.2	0.22	—	692
Waste	—	—	—	—	—	—	—	—	—	—	—	112	0.00	112	11	0.00	—	391
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.3	5.3
Stationary	0.02	0.02	0.05	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	8.4	8.4	< 0.005	< 0.005	0.00	8.4
Total	9.9	8.8	13	35	0.16	0.22	9.3	9.5	0.21	2.4	2.6	201	16,814	17,015	21	2.0	22	18,169

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	2.2	0.46	23	13	0.23	0.38	8.4	8.7	0.36	2.2	2.6	—	25,243	25,243	1.7	3.8	62	26,477
Unrefrigerated Warehouse-No Rail	4.4	0.92	47	26	0.46	0.76	17	17	0.72	4.5	5.2	—	50,562	50,562	3.4	7.6	123	53,035
City Park	0.39	0.34	0.39	4.0	0.01	0.01	1.0	1.0	0.01	0.26	0.26	—	1,138	1,138	0.04	0.05	3.2	1,157
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	11	10	5.9	131	0.31	0.12	32	32	0.11	8.0	8.1	—	31,155	31,155	0.90	0.65	83	31,455
Total	18	12	76	175	1.0	1.3	58	59	1.2	15	16	—	108,099	108,099	6.0	12	271	112,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	2.2	0.45	24	13	0.23	0.38	8.4	8.7	0.36	2.2	2.6	—	25,246	25,246	1.7	3.8	1.6	26,420
Unrefrigerated Warehouse-No Rail	4.4	0.90	49	26	0.46	0.76	17	17	0.73	4.5	5.2	—	50,569	50,569	3.4	7.6	3.2	52,922
City Park	0.37	0.32	0.42	3.3	0.01	0.01	1.0	1.0	0.01	0.26	0.26	—	1,067	1,067	0.04	0.05	0.08	1,083
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	11	9.6	6.6	106	0.28	0.12	32	32	0.11	8.0	8.1	—	28,691	28,691	0.93	0.70	2.1	28,926
Total	18	11	80	148	0.98	1.3	58	59	1.2	15	16	—	105,573	105,573	6.1	12	7.0	109,351
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.39	0.08	4.3	2.3	0.04	0.07	1.4	1.5	0.06	0.39	0.45	—	3,985	3,985	0.27	0.60	4.2	4,174
Unrefrigerated Warehouse-No Rail	0.67	0.14	7.6	4.0	0.07	0.12	2.5	2.7	0.11	0.68	0.80	—	7,053	7,053	0.47	1.1	7.4	7,389
City Park	0.03	0.03	0.04	0.30	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	86	86	< 0.005	< 0.005	0.11	87
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.8	1.6	1.1	18	0.05	0.02	5.2	5.2	0.02	1.3	1.3	—	4,401	4,401	0.14	0.11	5.4	4,443
Total	2.8	1.8	13	25	0.16	0.20	9.3	9.5	0.19	2.4	2.6	—	15,525	15,525	0.88	1.8	17	16,093

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial	—	—	—	—	—	—	—	—	—	—	—	—	3,102	3,102	0.30	0.04	—	3,120
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,119	2,119	0.20	0.02	—	2,131
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	445	445	0.04	0.01	—	448
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,666	5,666	0.54	0.07	—	5,699
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	3,102	3,102	0.30	0.04	—	3,120
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,119	2,119	0.20	0.02	—	2,131
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	445	445	0.04	0.01	—	448
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,666	5,666	0.54	0.07	—	5,699
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	514	514	0.05	0.01	—	517
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	351	351	0.03	< 0.005	—	353
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	74	74	0.01	< 0.005	—	74
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	938	938	0.09	0.01	—	944

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Unrefrig Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	26	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.2	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	14	13	0.65	77	< 0.005	0.14	—	0.14	0.10	—	0.10	—	316	316	0.01	< 0.005	—	317
Total	43	42	0.65	77	< 0.005	0.14	—	0.14	0.10	—	0.10	—	316	316	0.01	< 0.005	—	317
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	26	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.2	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	29	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.8	4.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.58	0.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.7	1.6	0.08	9.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	36	36	< 0.005	< 0.005	—	36
Total	7.1	6.9	0.08	9.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	36	36	< 0.005	< 0.005	—	36

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	151	536	687	16	0.37	—	1,187
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	390	1,313	1,703	40	0.96	—	2,993
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	56	1.3	—	4,180
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	151	536	687	16	0.37	—	1,187
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	390	1,313	1,703	40	0.96	—	2,993
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	56	1.3	—	4,180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	25	89	114	2.6	0.06	—	197
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	65	217	282	6.6	0.16	—	495
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	90	306	396	9.2	0.22	—	692

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	228	0.00	228	23	0.00	—	797
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	45	0.00	—	1,559
City Park	—	—	—	—	—	—	—	—	—	—	—	1.6	0.00	1.6	0.16	0.00	—	5.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67	0.00	—	2,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	228	0.00	228	23	0.00	—	797
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	45	0.00	—	1,559
City Park	—	—	—	—	—	—	—	—	—	—	—	1.6	0.00	1.6	0.16	0.00	—	5.5

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67	0.00	—	2,361
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	38	0.00	38	3.8	0.00	—	132
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	74	0.00	74	7.4	0.00	—	258
City Park	—	—	—	—	—	—	—	—	—	—	—	0.26	0.00	0.26	0.03	0.00	—	0.91
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	112	0.00	112	11	0.00	—	391

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32	32
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32	32
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32	32
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32	32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.3	5.3
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.3	5.3

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.79	0.72	2.0	1.8	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	0.79	0.72	2.0	1.8	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.79	0.72	2.0	1.8	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	0.79	0.72	2.0	1.8	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fire Pump	0.02	0.02	0.05	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	8.4	8.4	< 0.005	< 0.005	0.00	8.4
Total	0.02	0.02	0.05	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	8.4	8.4	< 0.005	< 0.005	0.00	8.4

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

5.9. 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
Industrial Park	164	149	125	57,026	9,444	8,580	7,226	3,286,401
Unrefrigerated Warehouse-No Rail	240	81	72	70,626	13,880	4,701	4,189	4,082,204
Unrefrigerated Warehouse-No Rail	86	70	69	29,681	4,992	4,047	3,990	1,720,590
City Park	26	77	87	15,340	426	1,265	1,428	251,507
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	2,767	2,012	1,863	923,576	45,373	32,989	30,548	15,142,326

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Industrial Park	Wood Fireplaces	0	0
Industrial Park	Gas Fireplaces	0	0
Industrial Park	Propane Fireplaces	0	0
Industrial Park	Electric Fireplaces	0	0
Industrial Park	No Fireplaces	0	0
Industrial Park	Conventional Wood Stoves	0	0
Industrial Park	Catalytic Wood Stoves	0	0
Industrial Park	Non-Catalytic Wood Stoves	0	0
Industrial Park	Pellet Wood Stoves	0	0

Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
City Park	Wood Fireplaces	0	0
City Park	Gas Fireplaces	0	0
City Park	Propane Fireplaces	0	0
City Park	Electric Fireplaces	0	0
City Park	No Fireplaces	0	0
City Park	Conventional Wood Stoves	0	0
City Park	Catalytic Wood Stoves	0	0
City Park	Non-Catalytic Wood Stoves	0	0
City Park	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0

Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0
User Defined Industrial	Wood Fireplaces	0	0
User Defined Industrial	Gas Fireplaces	0	0
User Defined Industrial	Propane Fireplaces	0	0
User Defined Industrial	Electric Fireplaces	0	0
User Defined Industrial	No Fireplaces	0	0
User Defined Industrial	Conventional Wood Stoves	0	0
User Defined Industrial	Catalytic Wood Stoves	0	0
User Defined Industrial	Non-Catalytic Wood Stoves	0	0
User Defined Industrial	Pellet Wood Stoves	0	0

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)
undefined	0.00	0.00	1,830,300	610,100	52,437

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)
Industrial Park	3,270,222	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	1,405,541	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	828,642	346	0.0330	0.0040	0.00
City Park	0.00	346	0.0330	0.0040	0.00
Parking Lot	469,465	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	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)
Industrial Park	78,786,875	5,474,571

Unrefrigerated Warehouse-No Rail	127,950,625	0.00
Unrefrigerated Warehouse-No Rail	75,433,750	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	422	0.00
Unrefrigerated Warehouse-No Rail	520	0.00
Unrefrigerated Warehouse-No Rail	307	0.00
City Park	2.9	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.0	4.0	18
City Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.0	4.0	18
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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
Fire Pump	Diesel	1.00	1.00	50	220	0.73
Fire Pump	Diesel	1.00	1.00	50	220	0.73

5.16.2. Process Boilers

5.17. User Defined

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	20	annual days of extreme heat
Extreme Precipitation	3.1	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.8	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	77
AQ-PM	93
AQ-DPM	57
Drinking Water	100
Lead Risk Housing	17
Pesticides	85
Toxic Releases	68
Traffic	18
Effect Indicators	—
CleanUp Sites	80
Groundwater	98
Haz Waste Facilities/Generators	87
Impaired Water Bodies	87
Solid Waste	99
Sensitive Population	—
Asthma	17
Cardio-vascular	29
Low Birth Weights	49
Socioeconomic Factor Indicators	—
Education	53
Housing	59
Linguistic	69
Poverty	35
Unemployment	36

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719
Uncrowded housing	64.30129603
Health Outcomes	—

Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	9.0
Elderly	91.7

English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72
Healthy Places Index Score for Project Location (b)	55
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas. Project will install solar to offset 45% of the industrial electrical demand.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

16285 Eucalyptus BP Ops Ph1 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

5.9. 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	16285 Eucalyptus BP Ops Ph1
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	18.8
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

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
Industrial Park	341	1000sqft	7.82	340,700	340,901	—	—	—
Unrefrigerated Warehouse-No Rail	553	1000sqft	12.7	553,300	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	326	1000sqft	7.49	326,200	0.00	—	—	HCFC Sort
City Park	33.8	Acre	33.8	0.00	0.00	0.00	—	—
Parking Lot	1,367	Space	12.3	546,800	0.00	—	—	—
Other Non-Asphalt Surfaces	7.76	Acre	7.76	0.00	0.00	—	—	—
User Defined Industrial	1,220	User Defined Unit	0.00	0.00	0.00	—	—	PC

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	61.9	54.5	79.1	253	1.01	1.51	57.7	59.2	1.41	15.0	16.4	1,216	120,571	121,787	130	13.5	303	129,379
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	47.7	41.4	82.2	150	0.98	1.37	57.7	59.1	1.31	15.0	16.3	1,216	117,729	118,945	130	13.6	38.9	126,289
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	54.4	48.2	72.3	190	0.87	1.22	50.9	52.1	1.15	13.2	14.4	1,216	105,828	107,044	129	12.2	136	114,036
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.94	8.79	13.2	34.7	0.16	0.22	9.29	9.51	0.21	2.41	2.62	201	17,521	17,722	21.4	2.01	22.4	18,880

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	18.1	11.8	76.4	175	1.00	1.26	57.7	59.0	1.20	15.0	16.2	—	108,099	108,099	6.02	12.1	271	112,123
Area	43.0	42.0	0.65	76.9	< 0.005	0.14	—	0.14	0.10	—	0.10	—	316	316	0.01	< 0.005	—	317
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	9,938	9,938	0.95	0.11	—	9,996
Water	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Waste	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Stationary	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	61.9	54.5	79.1	253	1.01	1.51	57.7	59.2	1.41	15.0	16.4	1,216	120,571	121,787	130	13.5	303	129,379
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.6	11.3	80.2	148	0.98	1.26	57.7	59.0	1.21	15.0	16.2	—	105,573	105,573	6.05	12.1	7.04	109,351
Area	29.3	29.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	9,938	9,938	0.95	0.11	—	9,996
Water	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Waste	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Stationary	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	47.7	41.4	82.2	150	0.98	1.37	57.7	59.1	1.31	15.0	16.3	1,216	117,729	118,945	130	13.6	38.9	126,289
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.6	10.1	71.6	137	0.87	1.11	50.9	52.0	1.06	13.2	14.3	—	93,774	93,774	5.34	10.7	104	97,200

Area	38.7	38.0	0.44	52.6	< 0.005	0.09	—	0.09	0.07	—	0.07	—	216	216	0.01	< 0.005	—	217
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	9,938	9,938	0.95	0.11	—	9,996
Water	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Waste	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Stationary	0.11	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	50.6	50.6	< 0.005	< 0.005	0.00	50.8
Total	54.4	48.2	72.3	190	0.87	1.22	50.9	52.1	1.15	13.2	14.4	1,216	105,828	107,044	129	12.2	136	114,036
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.85	1.84	13.1	25.0	0.16	0.20	9.29	9.49	0.19	2.41	2.60	—	15,525	15,525	0.88	1.77	17.2	16,093
Area	7.07	6.93	0.08	9.61	< 0.005	0.02	—	0.02	0.01	—	0.01	—	35.8	35.8	< 0.005	< 0.005	—	36.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,645	1,645	0.16	0.02	—	1,655
Water	—	—	—	—	—	—	—	—	—	—	—	89.5	306	396	9.21	0.22	—	692
Waste	—	—	—	—	—	—	—	—	—	—	—	112	0.00	112	11.2	0.00	—	391
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.27	5.27
Stationary	0.02	0.02	0.05	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	8.38	8.38	< 0.005	< 0.005	0.00	8.41
Total	9.94	8.79	13.2	34.7	0.16	0.22	9.29	9.51	0.21	2.41	2.62	201	17,521	17,722	21.4	2.01	22.4	18,880

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industria Park	2.23	0.46	23.4	13.3	0.23	0.38	8.37	8.74	0.36	2.25	2.61	—	25,243	25,243	1.71	3.79	61.9	26,477
Unrefrigerated Warehouse-No Rail	4.39	0.92	46.8	26.1	0.46	0.76	16.7	17.5	0.72	4.49	5.21	—	50,562	50,562	3.37	7.60	123	53,035
City Park	0.39	0.34	0.39	4.01	0.01	0.01	1.01	1.02	0.01	0.26	0.26	—	1,138	1,138	0.04	0.05	3.22	1,157
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	11.1	10.1	5.90	131	0.31	0.12	31.6	31.8	0.11	7.99	8.10	—	31,155	31,155	0.90	0.65	82.8	31,455
Total	18.1	11.8	76.4	175	1.00	1.26	57.7	59.0	1.20	15.0	16.2	—	108,099	108,099	6.02	12.1	271	112,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	2.22	0.45	24.4	13.3	0.23	0.38	8.37	8.74	0.36	2.25	2.61	—	25,246	25,246	1.71	3.79	1.61	26,420
Unrefrigerated Warehouse-No Rail	4.37	0.90	48.8	26.1	0.46	0.76	16.7	17.5	0.73	4.49	5.21	—	50,569	50,569	3.37	7.60	3.20	52,922
City Park	0.37	0.32	0.42	3.27	0.01	0.01	1.01	1.02	0.01	0.26	0.26	—	1,067	1,067	0.04	0.05	0.08	1,083
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	10.6	9.62	6.57	106	0.28	0.12	31.6	31.8	0.11	7.99	8.10	—	28,691	28,691	0.93	0.70	2.15	28,926
Total	17.6	11.3	80.2	148	0.98	1.26	57.7	59.0	1.21	15.0	16.2	—	105,573	105,573	6.05	12.1	7.04	109,351
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.39	0.08	4.30	2.31	0.04	0.07	1.44	1.51	0.06	0.39	0.45	—	3,985	3,985	0.27	0.60	4.22	4,174
Unrefrigerated Warehouse-No Rail	0.67	0.14	7.60	4.01	0.07	0.12	2.54	2.66	0.11	0.68	0.80	—	7,053	7,053	0.47	1.06	7.43	7,389
City Park	0.03	0.03	0.04	0.30	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	86.1	86.1	< 0.005	< 0.005	0.11	87.5
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.76	1.59	1.13	18.4	0.05	0.02	5.21	5.23	0.02	1.32	1.34	—	4,401	4,401	0.14	0.11	5.41	4,443
Total	2.85	1.84	13.1	25.0	0.16	0.20	9.29	9.49	0.19	2.41	2.60	—	15,525	15,525	0.88	1.77	17.2	16,093

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,672
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,853	3,853	0.37	0.04	—	3,875
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	445	445	0.04	0.01	—	448
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,938	9,938	0.95	0.11	—	9,996
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,672
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,853	3,853	0.37	0.04	—	3,875
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	445	445	0.04	0.01	—	448
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,938	9,938	0.95	0.11	—	9,996
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	934	934	0.09	0.01	—	939
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	638	638	0.06	0.01	—	642
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	73.7	73.7	0.01	< 0.005	—	74.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,645	1,645	0.16	0.02	—	1,655

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Unrefrig Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	26.2	26.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.17	3.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	13.7	12.6	0.65	76.9	< 0.005	0.14	—	0.14	0.10	—	0.10	—	316	316	0.01	< 0.005	—	317
Total	43.0	42.0	0.65	76.9	< 0.005	0.14	—	0.14	0.10	—	0.10	—	316	316	0.01	< 0.005	—	317
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	26.2	26.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.17	3.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	29.3	29.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.78	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.58	0.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.71	1.58	0.08	9.61	< 0.005	0.02	—	0.02	0.01	—	0.01	—	35.8	35.8	< 0.005	< 0.005	—	36.0
Total	7.07	6.93	0.08	9.61	< 0.005	0.02	—	0.02	0.01	—	0.01	—	35.8	35.8	< 0.005	< 0.005	—	36.0

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	151	536	687	15.5	0.37	—	1,187
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	390	1,313	1,703	40.1	0.96	—	2,993
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	151	536	687	15.5	0.37	—	1,187
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	390	1,313	1,703	40.1	0.96	—	2,993
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	25.0	88.8	114	2.57	0.06	—	197
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	64.5	217	282	6.64	0.16	—	495
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.5	306	396	9.21	0.22	—	692

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	228	0.00	228	22.8	0.00	—	797
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.5	0.00	—	1,559
City Park	—	—	—	—	—	—	—	—	—	—	—	1.57	0.00	1.57	0.16	0.00	—	5.48
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	228	0.00	228	22.8	0.00	—	797
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.5	0.00	—	1,559
City Park	—	—	—	—	—	—	—	—	—	—	—	1.57	0.00	1.57	0.16	0.00	—	5.48

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	37.7	0.00	37.7	3.77	0.00	—	132
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	73.8	0.00	73.8	7.37	0.00	—	258
City Park	—	—	—	—	—	—	—	—	—	—	—	0.26	0.00	0.26	0.03	0.00	—	0.91
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	112	0.00	112	11.2	0.00	—	391

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.27	5.27
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.27	5.27

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fire Pump	0.02	0.02	0.05	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	8.38	8.38	< 0.005	< 0.005	0.00	8.41
Total	0.02	0.02	0.05	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	8.38	8.38	< 0.005	< 0.005	0.00	8.41

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

5.9. 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
Industrial Park	164	149	125	57,026	9,444	8,580	7,226	3,286,401
Unrefrigerated Warehouse-No Rail	240	81.3	72.5	70,626	13,880	4,701	4,189	4,082,204
Unrefrigerated Warehouse-No Rail	86.1	69.8	68.8	29,681	4,992	4,047	3,990	1,720,590
City Park	26.0	77.1	87.1	15,340	426	1,265	1,428	251,507
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	2,767	2,012	1,863	923,576	45,373	32,989	30,548	15,142,326

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	1,830,300	610,100	52,437

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)
Industrial Park	5,945,858	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	2,555,528	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	1,506,621	346	0.0330	0.0040	0.00
City Park	0.00	346	0.0330	0.0040	0.00
Parking Lot	469,465	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	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)
Industrial Park	78,786,875	5,474,571
Unrefrigerated Warehouse-No Rail	127,950,625	0.00
Unrefrigerated Warehouse-No Rail	75,433,750	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	422	—
Unrefrigerated Warehouse-No Rail	520	—
Unrefrigerated Warehouse-No Rail	307	—
City Park	2.91	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—
User Defined Industrial	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
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

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
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73

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	19.8	annual days of extreme heat
Extreme Precipitation	3.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.78	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	77.1
AQ-PM	93.4
AQ-DPM	57.1
Drinking Water	100.0
Lead Risk Housing	17.5
Pesticides	84.9
Toxic Releases	67.6
Traffic	18.1
Effect Indicators	—
CleanUp Sites	80.3
Groundwater	98.1
Haz Waste Facilities/Generators	86.6
Impaired Water Bodies	87.0
Solid Waste	98.9
Sensitive Population	—
Asthma	16.5
Cardio-vascular	29.1
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	52.9
Housing	59.3
Linguistic	68.9
Poverty	35.4
Unemployment	36.4

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719

Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72.0
Healthy Places Index Score for Project Location (b)	55.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.6:

CALEEMOD PHASE 2 OPERATIONAL EMISSIONS MODEL OUTPUTS

16285 Eucalyptus BP Ops Ph2 Mitigated 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

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

8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	16285 Eucalyptus BP Ops Ph2 Mitigated
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.6
Precipitation (days)	19
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.35

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
Industrial Park	614	1000sqft	14	614,400	682,838	—	—	—
Unrefrigerated Warehouse-No Rail	1,107	1000sqft	25	1,106,600	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	587	1000sqft	13	587,200	0.00	—	—	HCFC Sort
City Park	72	Acre	72	0.00	0.00	0.00	—	—
Parking Lot	2,638	Space	24	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	20	Acre	20	0.00	0.00	—	—	—
User Defined Industrial	2,308	User Defined Unit	0.00	0.00	0.00	—	—	PC
Hospital	35	1000sqft	0.80	35,000	0.00	—	—	—
Strip Mall	5.0	1000sqft	0.11	5,000	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.0	1000sqft	0.11	5,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	120	106	151	500	2.1	2.9	128	131	2.7	33	36	2,544	238,106	240,650	270	26	578	255,744
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	100	88	157	339	2.0	2.7	128	131	2.6	33	36	2,544	231,691	234,235	270	26	74	248,865
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	107	96	139	387	1.8	2.3	115	117	2.2	30	32	2,544	209,039	211,583	269	23	260	225,546
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20	17	25	71	0.33	0.43	21	21	0.40	5.4	5.8	421	34,609	35,030	44	3.9	43	37,342

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	43	31	146	394	2.1	2.5	128	131	2.4	33	36	—	221,678	221,678	11	23	517	229,442
Area	75	73	0.86	102	0.01	0.18	—	0.18	0.14	—	0.14	—	421	421	0.02	< 0.005	—	422
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	11,726	11,726	1.1	0.14	—	11,795
Water	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.6	—	8,002
Waste	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	60
Stationary	1.6	1.4	4.0	3.7	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Total	120	106	151	500	2.1	2.9	128	131	2.7	33	36	2,544	238,106	240,650	270	26	578	255,744
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	42	30	153	335	2.0	2.5	128	131	2.4	33	36	—	215,684	215,684	12	23	13	222,986
Area	57	57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	11,726	11,726	1.1	0.14	—	11,795
Water	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.6	—	8,002
Waste	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	60
Stationary	1.6	1.4	4.0	3.7	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741

Total	100	88	157	339	2.0	2.7	128	131	2.6	33	36	2,544	231,691	234,235	270	26	74	248,865
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	38	27	137	316	1.8	2.2	115	117	2.1	30	32	—	193,381	193,381	10	21	200	200,017
Area	69	68	0.59	70	< 0.005	0.12	—	0.12	0.09	—	0.09	—	288	288	0.01	< 0.005	—	289
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	11,726	11,726	1.1	0.14	—	11,795
Water	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.6	—	8,002
Waste	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	60
Stationary	0.22	0.20	0.55	0.50	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	101	101	< 0.005	< 0.005	0.00	102
Total	107	96	139	387	1.8	2.3	115	117	2.2	30	32	2,544	209,039	211,583	269	23	260	225,546
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.9	5.0	25	58	0.33	0.40	21	21	0.38	5.4	5.8	—	32,016	32,016	1.7	3.4	33	33,115
Area	13	12	0.11	13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48	48	< 0.005	< 0.005	—	48
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,941	1,941	0.19	0.02	—	1,953
Water	—	—	—	—	—	—	—	—	—	—	—	171	586	758	18	0.42	—	1,325
Waste	—	—	—	—	—	—	—	—	—	—	—	250	0.00	250	25	0.00	—	874
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.0	10.0
Stationary	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	17	17	< 0.005	< 0.005	0.00	17
Total	20	17	25	71	0.33	0.43	21	21	0.40	5.4	5.8	421	34,609	35,030	44	3.9	43	37,342

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.7	0.78	40	22	0.40	0.67	15	16	0.64	4.1	4.7	—	44,448	44,448	2.8	6.7	102	46,610
Unrefrigerated Warehouse-No Rail	7.9	1.7	86	48	0.86	1.4	32	34	1.4	8.7	10	—	95,484	95,484	6.0	14	218	100,131
City Park	0.78	0.68	0.78	8.2	0.02	0.01	2.2	2.2	0.01	0.55	0.56	—	2,374	2,374	0.09	0.10	6.1	2,412
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	19	18	10	230	0.55	0.21	58	58	0.19	15	15	—	55,858	55,858	1.6	1.2	132	56,374
Hospital	3.2	2.8	3.2	33	0.10	0.06	8.9	8.9	0.05	2.2	2.3	—	9,760	9,760	0.36	0.41	25	9,915
Strip Mall	0.90	0.83	0.58	5.5	0.01	0.01	1.2	1.2	0.01	0.31	0.32	—	1,390	1,390	0.07	0.07	3.5	1,415
Fast Food Restaurant with Drive Thru	7.5	6.9	5.0	48	0.12	0.08	11	11	0.07	2.8	2.9	—	12,362	12,362	0.61	0.59	31	12,585
Total	43	31	146	394	2.1	2.5	128	131	2.4	33	36	—	221,678	221,678	11	23	517	229,442
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial	3.6	0.77	42	22	0.40	0.67	15	16	0.64	4.1	4.7	—	44,454	44,454	2.8	6.7	2.6	46,518
Unrefrigerated Warehouse-No Rail	7.8	1.6	90	48	0.86	1.4	32	34	1.4	8.7	10	—	95,497	95,497	6.0	14	5.7	99,933
City Park	0.74	0.64	0.84	6.7	0.02	0.01	2.2	2.2	0.01	0.55	0.56	—	2,226	2,226	0.09	0.10	0.16	2,258
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	19	17	11	185	0.51	0.21	58	58	0.19	15	15	—	51,449	51,449	1.6	1.2	3.4	51,862
Hospital	3.0	2.6	3.4	27	0.09	0.06	8.9	8.9	0.05	2.2	2.3	—	9,148	9,148	0.37	0.42	0.65	9,283
Strip Mall	0.84	0.78	0.62	4.8	0.01	0.01	1.2	1.2	0.01	0.31	0.32	—	1,305	1,305	0.07	0.07	0.09	1,328
Fast Food Restaurant with Drive Thru	7.1	6.5	5.4	41	0.11	0.08	11	11	0.07	2.8	2.9	—	11,605	11,605	0.64	0.61	0.80	11,804
Total	42	30	153	335	2.0	2.5	128	131	2.4	33	36	—	215,684	215,684	12	23	13	222,986
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.64	0.13	7.4	3.9	0.07	0.12	2.6	2.7	0.11	0.70	0.81	—	7,015	7,015	0.44	1.1	6.9	7,347
Unrefrigerated Warehouse-No Rail	1.2	0.25	14	7.3	0.13	0.22	4.9	5.1	0.21	1.3	1.5	—	13,272	13,272	0.83	2.0	13	13,900

City Park	0.06	0.06	0.08	0.61	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	181	181	0.01	0.01	0.21	184
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	3.1	2.8	1.9	32	0.09	0.03	9.5	9.5	0.03	2.4	2.4	—	7,868	7,868	0.25	0.19	8.6	7,940
Hospital	0.54	0.47	0.64	5.2	0.02	0.01	1.6	1.6	0.01	0.40	0.41	—	1,524	1,524	0.06	0.07	1.8	1,548
Strip Mall	0.15	0.14	0.11	0.89	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	218	218	0.01	0.01	0.25	222
Fast Food Restaurant with Drive Thru	1.3	1.2	0.99	7.8	0.02	0.01	2.0	2.0	0.01	0.50	0.52	—	1,940	1,940	0.11	0.10	2.2	1,975
Total	6.9	5.0	25	58	0.33	0.40	21	21	0.38	5.4	5.8	—	32,016	32,016	1.7	3.4	33	33,115

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	5,594	5,594	0.53	0.06	—	5,626

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,081	4,081	0.39	0.05	—	4,105
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	859	859	0.08	0.01	—	864
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	980	980	0.09	0.01	—	986
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	46	46	< 0.005	< 0.005	—	46
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	166	166	0.02	< 0.005	—	167
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,726	11,726	1.1	0.14	—	11,795
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	5,594	5,594	0.53	0.06	—	5,626
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	4,081	4,081	0.39	0.05	—	4,105
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	859	859	0.08	0.01	—	864
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	980	980	0.09	0.01	—	986
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	46	46	< 0.005	< 0.005	—	46
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	166	166	0.02	< 0.005	—	167
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,726	11,726	1.1	0.14	—	11,795
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	926	926	0.09	0.01	—	931
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	676	676	0.06	0.01	—	680
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	142	142	0.01	< 0.005	—	143
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Hospital	—	—	—	—	—	—	—	—	—	—	—	—	162	162	0.02	< 0.005	—	163
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	7.6	7.6	< 0.005	< 0.005	—	7.7
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	28	28	< 0.005	< 0.005	—	28
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,941	1,941	0.19	0.02	—	1,953

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant with Drive Thru	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	51	51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.1	6.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	18	17	0.86	102	0.01	0.18	—	0.18	0.14	—	0.14	—	421	421	0.02	< 0.005	—	422
Total	75	73	0.86	102	0.01	0.18	—	0.18	0.14	—	0.14	—	421	421	0.02	< 0.005	—	422
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	51	51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.1	6.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	57	57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Product	9.2	9.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.1	1.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.3	2.1	0.11	13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48	48	< 0.005	< 0.005	—	48
Total	13	12	0.11	13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48	48	< 0.005	< 0.005	—	48

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	272	973	1,245	28	0.67	—	2,146
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	751	2,529	3,280	77	1.9	—	5,763
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	8.4	28	37	0.87	0.02	—	65
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	2.4	3.1	0.07	< 0.005	—	5.4
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.9	9.8	13	0.30	0.01	—	22
Total	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.6	—	8,002
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	272	973	1,245	28	0.67	—	2,146
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	751	2,529	3,280	77	1.9	—	5,763
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Hospital	—	—	—	—	—	—	—	—	—	—	—	8.4	28	37	0.87	0.02	—	65
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	2.4	3.1	0.07	< 0.005	—	5.4
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.9	9.8	13	0.30	0.01	—	22
Total	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.6	—	8,002
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	45	161	206	4.6	0.11	—	355
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	124	419	543	13	0.31	—	954
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	1.4	4.7	6.1	0.14	< 0.005	—	11
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.12	0.40	0.51	0.01	< 0.005	—	0.90

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	1.6	2.1	0.05	< 0.005	—	3.7
Total	—	—	—	—	—	—	—	—	—	—	—	171	586	758	18	0.42	—	1,325

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	411	0.00	411	41	0.00	—	1,437
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	858	0.00	858	86	0.00	—	3,002
City Park	—	—	—	—	—	—	—	—	—	—	—	3.3	0.00	3.3	0.33	0.00	—	12
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20	0.00	—	713

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.8	0.00	2.8	0.28	0.00	—	9.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31	0.00	31	3.1	0.00	—	109
Total	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	411	0.00	411	41	0.00	—	1,437
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	858	0.00	858	86	0.00	—	3,002
City Park	—	—	—	—	—	—	—	—	—	—	—	3.3	0.00	3.3	0.33	0.00	—	12
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20	0.00	—	713
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.8	0.00	2.8	0.28	0.00	—	9.9

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31	0.00	31	3.1	0.00	—	109
Total	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	68	0.00	68	6.8	0.00	—	238
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	142	0.00	142	14	0.00	—	497
City Park	—	—	—	—	—	—	—	—	—	—	—	0.55	0.00	0.55	0.05	0.00	—	1.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	34	0.00	34	3.4	0.00	—	118
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.47	0.00	0.47	0.05	0.00	—	1.6
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.1	0.00	5.1	0.51	0.00	—	18
Total	—	—	—	—	—	—	—	—	—	—	—	250	0.00	250	25	0.00	—	874

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57	57
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.8	2.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57	57
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.8	2.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	60
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.5	9.5
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47	0.47
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.0	10.0

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.6	1.4	4.0	3.7	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Total	1.6	1.4	4.0	3.7	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.6	1.4	4.0	3.7	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Total	1.6	1.4	4.0	3.7	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	17	17	< 0.005	< 0.005	0.00	17
Total	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	17	17	< 0.005	< 0.005	0.00	17

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

5.9. 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
Industrial Park	296	269	226	103,030	17,084	15,525	13,044	5,943,778

Unrefrigerated Warehouse-No Rail	480	163	145	141,253	27,759	9,402	8,379	8,164,409
Unrefrigerated Warehouse-No Rail	154	125	123	53,061	8,878	7,218	7,116	3,062,179
City Park	56	164	185	32,816	918	2,692	3,037	538,024
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	5,090	3,652	3,377	1,693,411	82,837	59,432	54,962	27,561,676
Hospital	753	743	740	273,659	12,487	12,324	12,273	4,538,103
Strip Mall	272	272	269	99,126	1,739	1,737	1,722	633,667
Fast Food Restaurant with Drive Thru	2,241	2,243	2,241	818,046	15,500	15,511	15,500	5,658,065

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Industrial Park	Wood Fireplaces	0	0
Industrial Park	Gas Fireplaces	0	0
Industrial Park	Propane Fireplaces	0	0
Industrial Park	Electric Fireplaces	0	0
Industrial Park	No Fireplaces	0	0
Industrial Park	Conventional Wood Stoves	0	0
Industrial Park	Catalytic Wood Stoves	0	0
Industrial Park	Non-Catalytic Wood Stoves	0	0
Industrial Park	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0

Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
City Park	Wood Fireplaces	0	0
City Park	Gas Fireplaces	0	0
City Park	Propane Fireplaces	0	0
City Park	Electric Fireplaces	0	0
City Park	No Fireplaces	0	0
City Park	Conventional Wood Stoves	0	0
City Park	Catalytic Wood Stoves	0	0
City Park	Non-Catalytic Wood Stoves	0	0
City Park	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0

Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0
User Defined Industrial	Wood Fireplaces	0	0
User Defined Industrial	Gas Fireplaces	0	0
User Defined Industrial	Propane Fireplaces	0	0
User Defined Industrial	Electric Fireplaces	0	0
User Defined Industrial	No Fireplaces	0	0
User Defined Industrial	Conventional Wood Stoves	0	0
User Defined Industrial	Catalytic Wood Stoves	0	0
User Defined Industrial	Non-Catalytic Wood Stoves	0	0
User Defined Industrial	Pellet Wood Stoves	0	0
Hospital	Wood Fireplaces	0	0
Hospital	Gas Fireplaces	0	0
Hospital	Propane Fireplaces	0	0

Hospital	Electric Fireplaces	0	0
Hospital	No Fireplaces	0	0
Hospital	Conventional Wood Stoves	0	0
Hospital	Catalytic Wood Stoves	0	0
Hospital	Non-Catalytic Wood Stoves	0	0
Hospital	Pellet Wood Stoves	0	0
Strip Mall	Wood Fireplaces	0	0
Strip Mall	Gas Fireplaces	0	0
Strip Mall	Propane Fireplaces	0	0
Strip Mall	Electric Fireplaces	0	0
Strip Mall	No Fireplaces	0	0
Strip Mall	Conventional Wood Stoves	0	0
Strip Mall	Catalytic Wood Stoves	0	0
Strip Mall	Non-Catalytic Wood Stoves	0	0
Strip Mall	Pellet Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0

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)

undefined	0.00	0.00	3,529,800	1,176,600	113,174

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)
Industrial Park	5,897,342	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	2,811,081	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	1,491,656	346	0.0330	0.0040	0.00
City Park	0.00	346	0.0330	0.0040	0.00
Parking Lot	905,960	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Hospital	1,033,091	346	0.0330	0.0040	0.00
Strip Mall	48,642	346	0.0330	0.0040	0.00
Fast Food Restaurant with Drive Thru	175,333	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)
Industrial Park	142,080,000	10,965,780
Unrefrigerated Warehouse-No Rail	255,901,250	0.00
Unrefrigerated Warehouse-No Rail	135,790,000	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Hospital	4,391,819	0.00
Strip Mall	370,363	0.00
Fast Food Restaurant with Drive Thru	1,517,669	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	762	0.00
Unrefrigerated Warehouse-No Rail	1,040	0.00
Unrefrigerated Warehouse-No Rail	552	0.00
City Park	6.1	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Hospital	378	0.00
Strip Mall	5.3	0.00
Fast Food Restaurant with Drive Thru	58	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.0	4.0	18
City Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.0	4.0	18
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hospital	Chillers	R-134a	1,430	< 0.005	2.0	2.0	23
Hospital	Household refrigerators and/or freezers	R-134a	1,430	< 0.005	0.60	0.00	1.00
Hospital	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Hospital	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.0	4.0	18
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.8	4.0	4.0	18
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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
Fire Pump	Diesel	1.00	1.00	50	220	0.73
Fire Pump	Diesel	1.00	1.00	50	220	0.73
Fire Pump	Diesel	1.00	1.00	50	220	0.73
Fire Pump	Diesel	1.00	1.00	50	220	0.73

5.16.2. Process Boilers

5.17. User Defined

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	20	annual days of extreme heat
Extreme Precipitation	3.1	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.8	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	77
AQ-PM	93
AQ-DPM	57
Drinking Water	100
Lead Risk Housing	17
Pesticides	85
Toxic Releases	68
Traffic	18
Effect Indicators	—
CleanUp Sites	80
Groundwater	98
Haz Waste Facilities/Generators	87
Impaired Water Bodies	87
Solid Waste	99
Sensitive Population	—
Asthma	17
Cardio-vascular	29
Low Birth Weights	49
Socioeconomic Factor Indicators	—
Education	53
Housing	59
Linguistic	69
Poverty	35
Unemployment	36

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719

Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72
Healthy Places Index Score for Project Location (b)	55
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas. Project will install solar to offset 45% of the industrial electrical demand.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

16285 Eucalyptus BP Ops Ph2 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

5.9. 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	16285 Eucalyptus BP Ops Ph2
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	18.8
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

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
Industrial Park	614	1000sqft	14.1	614,400	682,838	—	—	—
Unrefrigerated Warehouse-No Rail	1,107	1000sqft	25.4	1,106,600	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	587	1000sqft	13.5	587,200	0.00	—	—	HCFC Sort
City Park	71.5	Acre	71.5	0.00	0.00	0.00	—	—
Parking Lot	2,638	Space	23.7	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	19.6	Acre	19.6	0.00	0.00	—	—	—
User Defined Industrial	2,308	User Defined Unit	0.00	0.00	0.00	—	—	PC
Hospital	35.0	1000sqft	0.80	35,000	0.00	—	—	—
Strip Mall	5.00	1000sqft	0.11	5,000	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.00	1000sqft	0.11	5,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	120	106	151	500	2.08	2.87	128	131	2.70	33.2	35.9	2,544	246,021	248,566	271	26.2	578	263,706
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	99.9	87.9	157	339	2.01	2.69	128	131	2.57	33.2	35.8	2,544	239,606	242,151	271	26.3	73.8	256,827
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	107	95.8	139	387	1.81	2.34	115	117	2.20	29.7	31.9	2,544	216,954	219,499	270	23.5	260	233,508
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.6	17.5	25.3	70.6	0.33	0.43	21.0	21.4	0.40	5.43	5.83	421	35,919	36,341	44.6	3.90	43.1	38,660

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	43.3	31.4	146	394	2.07	2.47	128	131	2.35	33.2	35.6	—	221,678	221,678	11.5	23.4	517	229,442
Area	74.8	73.4	0.86	102	0.01	0.18	—	0.18	0.14	—	0.14	—	421	421	0.02	< 0.005	—	422
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,642	19,642	1.87	0.23	—	19,756
Water	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Waste	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Stationary	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Total	120	106	151	500	2.08	2.87	128	131	2.70	33.2	35.9	2,544	246,021	248,566	271	26.2	578	263,706
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	41.7	29.8	153	335	2.01	2.47	128	131	2.36	33.2	35.6	—	215,684	215,684	11.6	23.5	13.4	222,986
Area	56.6	56.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,642	19,642	1.87	0.23	—	19,756
Water	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Waste	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Stationary	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741

Total	99.9	87.9	157	339	2.01	2.69	128	131	2.57	33.2	35.8	2,544	239,606	242,151	271	26.3	73.8	256,827
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	38.0	27.4	137	316	1.80	2.19	115	117	2.08	29.7	31.8	—	193,381	193,381	10.3	20.7	200	200,017
Area	69.1	68.1	0.59	70.1	< 0.005	0.12	—	0.12	0.09	—	0.09	—	288	288	0.01	< 0.005	—	289
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,642	19,642	1.87	0.23	—	19,756
Water	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Waste	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Stationary	0.22	0.20	0.55	0.50	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	101	101	< 0.005	< 0.005	0.00	102
Total	107	95.8	139	387	1.81	2.34	115	117	2.20	29.7	31.9	2,544	216,954	219,499	270	23.5	260	233,508
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.94	5.01	25.1	57.7	0.33	0.40	21.0	21.4	0.38	5.43	5.81	—	32,016	32,016	1.71	3.43	33.1	33,115
Area	12.6	12.4	0.11	12.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	47.7	47.7	< 0.005	< 0.005	—	47.9
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	3,252	3,252	0.31	0.04	—	3,271
Water	—	—	—	—	—	—	—	—	—	—	—	171	586	758	17.6	0.42	—	1,325
Waste	—	—	—	—	—	—	—	—	—	—	—	250	0.00	250	25.0	0.00	—	874
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.99	9.99
Stationary	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	16.8	16.8	< 0.005	< 0.005	0.00	16.8
Total	19.6	17.5	25.3	70.6	0.33	0.43	21.0	21.4	0.40	5.43	5.83	421	35,919	36,341	44.6	3.90	43.1	38,660

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.66	0.78	40.1	22.2	0.40	0.67	15.1	15.8	0.64	4.06	4.70	—	44,448	44,448	2.79	6.68	102	46,610
Unrefrigerated Warehouse-No Rail	7.88	1.68	86.2	47.7	0.86	1.44	32.4	33.8	1.38	8.70	10.1	—	95,484	95,484	6.01	14.4	218	100,131
City Park	0.78	0.68	0.78	8.16	0.02	0.01	2.15	2.17	0.01	0.55	0.56	—	2,374	2,374	0.09	0.10	6.06	2,412
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	19.4	17.7	10.1	230	0.55	0.21	57.8	58.0	0.19	14.6	14.8	—	55,858	55,858	1.57	1.15	132	56,374
Hospital	3.17	2.78	3.21	33.5	0.10	0.06	8.86	8.91	0.05	2.25	2.30	—	9,760	9,760	0.36	0.41	24.9	9,915
Strip Mall	0.90	0.83	0.58	5.48	0.01	0.01	1.23	1.24	0.01	0.31	0.32	—	1,390	1,390	0.07	0.07	3.47	1,415
Fast Food Restaurant with Drive Thru	7.50	6.92	5.02	48.0	0.12	0.08	11.0	11.1	0.07	2.79	2.86	—	12,362	12,362	0.61	0.59	30.9	12,585
Total	43.3	31.4	146	394	2.07	2.47	128	131	2.35	33.2	35.6	—	221,678	221,678	11.5	23.4	517	229,442
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial	3.64	0.77	41.9	22.2	0.40	0.67	15.1	15.8	0.64	4.06	4.70	—	44,454	44,454	2.79	6.68	2.64	46,518
Unrefrigerated Warehouse-No Rail	7.83	1.64	90.0	47.7	0.86	1.44	32.4	33.8	1.38	8.70	10.1	—	95,497	95,497	6.00	14.4	5.65	99,933
City Park	0.74	0.64	0.84	6.66	0.02	0.01	2.15	2.17	0.01	0.55	0.56	—	2,226	2,226	0.09	0.10	0.16	2,258
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	18.6	16.9	11.2	185	0.51	0.21	57.8	58.0	0.19	14.6	14.8	—	51,449	51,449	1.63	1.24	3.43	51,862
Hospital	3.01	2.62	3.45	27.3	0.09	0.06	8.86	8.91	0.05	2.25	2.30	—	9,148	9,148	0.37	0.42	0.65	9,283
Strip Mall	0.84	0.78	0.62	4.76	0.01	0.01	1.23	1.24	0.01	0.31	0.32	—	1,305	1,305	0.07	0.07	0.09	1,328
Fast Food Restaurant with Drive Thru	7.05	6.47	5.37	41.4	0.11	0.08	11.0	11.1	0.07	2.79	2.87	—	11,605	11,605	0.64	0.61	0.80	11,804
Total	41.7	29.8	153	335	2.01	2.47	128	131	2.36	33.2	35.6	—	215,684	215,684	11.6	23.5	13.4	222,986
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.64	0.13	7.37	3.86	0.07	0.12	2.60	2.72	0.11	0.70	0.81	—	7,015	7,015	0.44	1.05	6.93	7,347
Unrefrigerated Warehouse-No Rail	1.20	0.25	14.0	7.30	0.13	0.22	4.92	5.14	0.21	1.32	1.53	—	13,272	13,272	0.83	2.00	13.1	13,900

City Park	0.06	0.06	0.08	0.61	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	181	181	0.01	0.01	0.21	184
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	3.07	2.78	1.92	32.1	0.09	0.03	9.49	9.52	0.03	2.40	2.43	—	7,868	7,868	0.25	0.19	8.63	7,940
Hospital	0.54	0.47	0.64	5.16	0.02	0.01	1.59	1.60	0.01	0.40	0.41	—	1,524	1,524	0.06	0.07	1.77	1,548
Strip Mall	0.15	0.14	0.11	0.89	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	218	218	0.01	0.01	0.25	222
Fast Food Restaurant with Drive Thru	1.27	1.17	0.99	7.79	0.02	0.01	1.98	2.00	0.01	0.50	0.52	—	1,940	1,940	0.11	0.10	2.21	1,975
Total	6.94	5.01	25.1	57.7	0.33	0.40	21.0	21.4	0.38	5.43	5.81	—	32,016	32,016	1.71	3.43	33.1	33,115

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	10,170	10,170	0.97	0.12	—	10,229

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	—	7,420	7,420	0.71	0.09	—	7,463
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	859	859	0.08	0.01	—	864
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	980	980	0.09	0.01	—	986
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	46.1	46.1	< 0.005	< 0.005	—	46.4
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	166	166	0.02	< 0.005	—	167
Total	—	—	—	—	—	—	—	—	—	—	—	—	19,642	19,642	1.87	0.23	—	19,756
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	10,170	10,170	0.97	0.12	—	10,229
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	7,420	7,420	0.71	0.09	—	7,463
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	859	859	0.08	0.01	—	864
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	980	980	0.09	0.01	—	986
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	46.1	46.1	< 0.005	< 0.005	—	46.4
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	166	166	0.02	< 0.005	—	167
Total	—	—	—	—	—	—	—	—	—	—	—	—	19,642	19,642	1.87	0.23	—	19,756
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,684	1,684	0.16	0.02	—	1,694
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,228	1,228	0.12	0.01	—	1,236
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	142	142	0.01	< 0.005	—	143
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Hospital	—	—	—	—	—	—	—	—	—	—	—	—	162	162	0.02	< 0.005	—	163
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	7.64	7.64	< 0.005	< 0.005	—	7.68
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	27.5	27.5	< 0.005	< 0.005	—	27.7
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,252	3,252	0.31	0.04	—	3,271

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant with Drive Thru	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	50.5	50.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.12	6.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	18.2	16.8	0.86	102	0.01	0.18	—	0.18	0.14	—	0.14	—	421	421	0.02	< 0.005	—	422
Total	74.8	73.4	0.86	102	0.01	0.18	—	0.18	0.14	—	0.14	—	421	421	0.02	< 0.005	—	422
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	50.5	50.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.12	6.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	56.6	56.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Product	9.22	9.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.12	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.28	2.10	0.11	12.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	47.7	47.7	< 0.005	< 0.005	—	47.9
Total	12.6	12.4	0.11	12.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	47.7	47.7	< 0.005	< 0.005	—	47.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	272	973	1,245	28.0	0.67	—	2,146
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	751	2,529	3,280	77.2	1.86	—	5,763
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	8.42	28.4	36.8	0.87	0.02	—	64.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	2.39	3.10	0.07	< 0.005	—	5.45
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	9.80	12.7	0.30	0.01	—	22.3
Total	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	272	973	1,245	28.0	0.67	—	2,146
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	751	2,529	3,280	77.2	1.86	—	5,763
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Hospital	—	—	—	—	—	—	—	—	—	—	—	8.42	28.4	36.8	0.87	0.02	—	64.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	2.39	3.10	0.07	< 0.005	—	5.45
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	9.80	12.7	0.30	0.01	—	22.3
Total	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	45.1	161	206	4.64	0.11	—	355
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	124	419	543	12.8	0.31	—	954
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	1.39	4.69	6.09	0.14	< 0.005	—	10.7
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.12	0.40	0.51	0.01	< 0.005	—	0.90

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	1.62	2.10	0.05	< 0.005	—	3.70
Total	—	—	—	—	—	—	—	—	—	—	—	171	586	758	17.6	0.42	—	1,325

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	411	0.00	411	41.0	0.00	—	1,437
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	858	0.00	858	85.8	0.00	—	3,002
City Park	—	—	—	—	—	—	—	—	—	—	—	3.31	0.00	3.31	0.33	0.00	—	11.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20.4	0.00	—	713

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.83	0.00	2.83	0.28	0.00	—	9.90
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
Total	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	411	0.00	411	41.0	0.00	—	1,437
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	858	0.00	858	85.8	0.00	—	3,002
City Park	—	—	—	—	—	—	—	—	—	—	—	3.31	0.00	3.31	0.33	0.00	—	11.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20.4	0.00	—	713
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.83	0.00	2.83	0.28	0.00	—	9.90

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
Total	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	68.0	0.00	68.0	6.79	0.00	—	238
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	142	0.00	142	14.2	0.00	—	497
City Park	—	—	—	—	—	—	—	—	—	—	—	0.55	0.00	0.55	0.05	0.00	—	1.92
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	33.7	0.00	33.7	3.37	0.00	—	118
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.47	0.00	0.47	0.05	0.00	—	1.64
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
Total	—	—	—	—	—	—	—	—	—	—	—	250	0.00	250	25.0	0.00	—	874

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.4	57.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.81	2.81
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.4	57.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.81	2.81
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.51	9.51
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47	0.47
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.99	9.99

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Total	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Total	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	16.8	16.8	< 0.005	< 0.005	0.00	16.8
Total	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	16.8	16.8	< 0.005	< 0.005	0.00	16.8

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

5.9. 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
Industrial Park	296	269	226	103,030	17,084	15,525	13,044	5,943,778

Unrefrigerated Warehouse-No Rail	480	163	145	141,253	27,759	9,402	8,379	8,164,409
Unrefrigerated Warehouse-No Rail	154	125	123	53,061	8,878	7,218	7,116	3,062,179
City Park	56.0	164	185	32,816	918	2,692	3,037	538,024
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	5,090	3,652	3,377	1,693,411	82,837	59,432	54,962	27,561,676
Hospital	753	743	740	273,659	12,487	12,324	12,273	4,538,103
Strip Mall	272	272	269	99,126	1,739	1,737	1,722	633,667
Fast Food Restaurant with Drive Thru	2,241	2,243	2,241	818,046	15,500	15,511	15,500	5,658,065

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	3,529,800	1,176,600	113,174

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)
Industrial Park	10,722,440	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,111,057	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	2,712,102	346	0.0330	0.0040	0.00
City Park	0.00	346	0.0330	0.0040	0.00
Parking Lot	905,960	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Hospital	1,033,091	346	0.0330	0.0040	0.00
Strip Mall	48,642	346	0.0330	0.0040	0.00
Fast Food Restaurant with Drive Thru	175,333	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)
Industrial Park	142,080,000	10,965,780
Unrefrigerated Warehouse-No Rail	255,901,250	0.00
Unrefrigerated Warehouse-No Rail	135,790,000	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

User Defined Industrial	0.00	0.00
Hospital	4,391,819	0.00
Strip Mall	370,363	0.00
Fast Food Restaurant with Drive Thru	1,517,669	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	762	—
Unrefrigerated Warehouse-No Rail	1,040	—
Unrefrigerated Warehouse-No Rail	552	—
City Park	6.15	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Hospital	378	—
Strip Mall	5.25	—
Fast Food Restaurant with Drive Thru	57.6	—

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
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0

City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hospital	Chillers	R-134a	1,430	< 0.005	2.00	2.00	23.0
Hospital	Household refrigerators and/or freezers	R-134a	1,430	< 0.005	0.60	0.00	1.00
Hospital	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Hospital	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

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
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73

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	19.8	annual days of extreme heat
Extreme Precipitation	3.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.78	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	77.1
AQ-PM	93.4
AQ-DPM	57.1
Drinking Water	100.0
Lead Risk Housing	17.5
Pesticides	84.9
Toxic Releases	67.6
Traffic	18.1
Effect Indicators	—
CleanUp Sites	80.3
Groundwater	98.1
Haz Waste Facilities/Generators	86.6
Impaired Water Bodies	87.0
Solid Waste	98.9
Sensitive Population	—
Asthma	16.5
Cardio-vascular	29.1
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	52.9
Housing	59.3
Linguistic	68.9
Poverty	35.4
Unemployment	36.4

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719

Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72.0
Healthy Places Index Score for Project Location (b)	55.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.7:

CALEEMOD PHASE 3 OPERATIONAL EMISSIONS MODEL OUTPUTS

16285 Eucalyptus BP Ops Ph3 Mitigated 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

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

8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	16285 Eucalyptus BP Ops Ph3 Mitigated
Operational Year	2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.6
Precipitation (days)	19
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.35

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
Industrial Park	777	1000sqft	18	777,000	840,786	—	—	—
Unrefrigerated Warehouse-No Rail	1,270	1000sqft	29	1,270,200	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	635	1000sqft	15	635,100	0.00	—	—	HCFC Sort
City Park	93	Acre	93	0.00	0.00	0.00	—	—
Parking Lot	3,325	Space	30	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	22	Acre	22	0.00	0.00	—	—	—
User Defined Industrial	2,894	User Defined Unit	0.00	0.00	0.00	—	—	PC
Hospital	35	1000sqft	0.80	35,000	0.00	—	—	—
Strip Mall	5.0	1000sqft	0.11	5,000	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.0	1000sqft	0.11	5,000	0.00	—	—	—
Manufacturing	212	1000sqft	4.9	211,700	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	143	128	177	581	2.5	3.5	161	165	3.3	42	45	3,162	284,865	288,027	334	32	618	306,518
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	119	105	184	385	2.4	3.3	161	164	3.1	42	45	3,162	277,238	280,400	334	32	109	298,427

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	128	115	163	442	2.2	2.9	143	146	2.7	37	40	3,162	249,913	253,075	333	29	297	270,326
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23	21	30	81	0.40	0.53	26	27	0.50	6.7	7.2	524	41,376	41,899	55	4.8	49	44,755

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	48	34	171	449	2.5	3.0	161	164	2.9	42	45	—	268,785	268,785	13	29	523	278,137
Area	93	92	1.1	128	0.01	0.23	—	0.23	0.17	—	0.17	—	526	526	0.02	< 0.005	—	528
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	11,294	11,294	1.4	0.17	—	11,382
Water	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.2	—	8,915
Waste	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95	95
Stationary	2.0	1.8	5.0	4.6	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	143	128	177	581	2.5	3.5	161	165	3.3	42	45	3,162	284,865	288,027	334	32	618	306,518
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46	33	179	381	2.4	3.0	161	164	2.9	42	45	—	261,683	261,683	13	29	14	270,573
Area	71	71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	11,294	11,294	1.4	0.17	—	11,382
Water	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.2	—	8,915
Waste	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95	95
Stationary	2.0	1.8	5.0	4.6	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	119	105	184	385	2.4	3.3	161	164	3.1	42	45	3,162	277,238	280,400	334	32	109	298,427
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	41	30	162	354	2.2	2.7	143	146	2.6	37	40	—	234,795	234,795	11	26	202	242,910
Area	86	85	0.74	88	0.01	0.16	—	0.16	0.12	—	0.12	—	360	360	0.02	< 0.005	—	361
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	11,294	11,294	1.4	0.17	—	11,382
Water	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.2	—	8,915
Waste	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95	95
Stationary	0.27	0.25	0.69	0.63	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	127	127	0.01	< 0.005	0.00	127
Total	128	115	163	442	2.2	2.9	143	146	2.7	37	40	3,162	249,913	253,075	333	29	297	270,326
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.6	5.4	30	65	0.40	0.49	26	27	0.47	6.7	7.2	—	38,873	38,873	1.9	4.2	33	40,217
Area	16	16	0.13	16	< 0.005	0.03	—	0.03	0.02	—	0.02	—	60	60	< 0.005	< 0.005	—	60
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,870	1,870	0.24	0.03	—	1,884
Water	—	—	—	—	—	—	—	—	—	—	—	214	552	767	22	0.53	—	1,476
Waste	—	—	—	—	—	—	—	—	—	—	—	309	0.00	309	31	0.00	—	1,082
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16	16
Stationary	0.05	0.05	0.13	0.12	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	21	21	< 0.005	< 0.005	0.00	21
Total	23	21	30	81	0.40	0.53	26	27	0.50	6.7	7.2	524	41,376	41,899	55	4.8	49	44,755

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	4.0	0.88	46	25	0.48	0.81	19	20	0.78	5.1	5.9	—	53,175	53,175	3.0	8.0	105	55,741
Unrefrigerated Warehouse-No Rail	7.6	1.7	89	48	0.92	1.6	37	38	1.5	9.9	11	—	102,283	102,283	5.7	15	202	107,220
City Park	0.91	0.80	0.90	9.8	0.03	0.02	2.8	2.8	0.02	0.71	0.72	—	2,957	2,957	0.10	0.12	6.0	3,001
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	23	21	12	277	0.70	0.24	75	75	0.22	19	19	—	70,337	70,337	1.9	1.4	130	70,932
Hospital	2.9	2.5	2.9	31	0.09	0.05	8.9	8.9	0.05	2.2	2.3	—	9,412	9,412	0.33	0.39	19	9,555
Strip Mall	0.81	0.75	0.52	5.1	0.01	0.01	1.2	1.2	0.01	0.31	0.32	—	1,340	1,340	0.07	0.06	2.7	1,364
Fast Food Restaurant with Drive Thru	6.8	6.3	4.5	44	0.12	0.07	11	11	0.06	2.8	2.9	—	11,923	11,923	0.56	0.56	24	12,129
Manufacturing	1.3	0.28	15	8.1	0.16	0.26	6.2	6.5	0.25	1.7	1.9	—	17,357	17,357	0.97	2.6	34	18,195

Total	48	34	171	449	2.5	3.0	161	164	2.9	42	45	—	268,785	268,785	13	29	523	278,137
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.9	0.86	48	25	0.48	0.81	19	20	0.78	5.1	5.9	—	53,183	53,183	3.0	8.0	2.7	55,647
Unrefrigerated Warehouse-No Rail	7.6	1.6	93	48	0.92	1.6	37	38	1.5	9.9	11	—	102,298	102,298	5.7	15	5.2	107,040
City Park	0.87	0.76	0.97	8.0	0.03	0.02	2.8	2.8	0.02	0.71	0.72	—	2,771	2,771	0.11	0.13	0.16	2,811
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	22	20	13	224	0.64	0.24	75	75	0.22	19	19	—	64,800	64,800	1.9	1.5	3.4	65,301
Hospital	2.7	2.4	3.1	25	0.09	0.05	8.9	8.9	0.05	2.2	2.3	—	8,821	8,821	0.33	0.40	0.50	8,949
Strip Mall	0.77	0.71	0.56	4.4	0.01	0.01	1.2	1.2	0.01	0.31	0.32	—	1,258	1,258	0.07	0.07	0.07	1,280
Fast Food Restaurant with Drive Thru	6.4	5.9	4.9	38	0.11	0.07	11	11	0.06	2.8	2.9	—	11,192	11,192	0.59	0.58	0.62	11,381
Manufacturing	1.3	0.28	16	8.1	0.16	0.26	6.2	6.5	0.25	1.7	1.9	—	17,360	17,360	0.97	2.6	0.89	18,165
Total	46	33	179	381	2.4	3.0	161	164	2.9	42	45	—	261,683	261,683	13	29	14	270,573
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	0.69	0.15	8.5	4.3	0.08	0.14	3.3	3.4	0.14	0.89	1.0	—	8,394	8,394	0.47	1.3	7.2	8,789
Unrefrigerated Warehouse-No Rail	1.2	0.25	14	7.3	0.14	0.24	5.6	5.8	0.23	1.5	1.7	—	14,193	14,193	0.80	2.1	12	14,862
City Park	0.08	0.07	0.09	0.73	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	224	224	0.01	0.01	0.21	228
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	3.6	3.3	2.2	38	0.11	0.04	12	12	0.04	3.0	3.1	—	9,695	9,695	0.29	0.23	8.3	9,778
Hospital	0.50	0.43	0.57	4.8	0.02	0.01	1.6	1.6	0.01	0.40	0.41	—	1,469	1,469	0.05	0.07	1.4	1,492
Strip Mall	0.14	0.13	0.10	0.83	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	210	210	0.01	0.01	0.19	214
Fast Food Restaurant with Drive Thru	1.2	1.1	0.90	7.2	0.02	0.01	2.0	2.0	0.01	0.50	0.52	—	1,871	1,871	0.10	0.10	1.7	1,904
Manufacturing	0.23	0.05	2.8	1.4	0.03	0.05	1.1	1.1	0.05	0.30	0.34	—	2,817	2,817	0.16	0.42	2.4	2,950
Total	7.6	5.4	30	65	0.40	0.49	26	27	0.47	6.7	7.2	—	38,873	38,873	1.9	4.2	33	40,217

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	5,329	5,329	0.67	0.08	—	5,370
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,458	3,458	0.44	0.05	—	3,485
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	816	816	0.10	0.01	—	822
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	738	738	0.09	0.01	—	744
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	35	35	< 0.005	< 0.005	—	35
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	125	125	0.02	< 0.005	—	126
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	793	793	0.10	0.01	—	800
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,294	11,294	1.4	0.17	—	11,382

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	5,329	5,329	0.67	0.08	—	5,370
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,458	3,458	0.44	0.05	—	3,485
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	816	816	0.10	0.01	—	822
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	738	738	0.09	0.01	—	744
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	35	35	< 0.005	< 0.005	—	35
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	125	125	0.02	< 0.005	—	126
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	793	793	0.10	0.01	—	800
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,294	11,294	1.4	0.17	—	11,382
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	882	882	0.11	0.01	—	889

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	573	573	0.07	0.01	—	577
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.02	< 0.005	—	136
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.02	< 0.005	—	123
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	5.8	5.8	< 0.005	< 0.005	—	5.8
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	21	21	< 0.005	< 0.005	—	21
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	131	131	0.02	< 0.005	—	132
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,870	1,870	0.24	0.03	—	1,884

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Unrefrig Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Manufacturing	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Manufacturing	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Manufacturing	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	63	63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.6	7.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	23	21	1.1	128	0.01	0.23	—	0.23	0.17	—	0.17	—	526	526	0.02	< 0.005	—	528
Total	93	92	1.1	128	0.01	0.23	—	0.23	0.17	—	0.17	—	526	526	0.02	< 0.005	—	528
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	63	63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.6	7.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	71	71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	12	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.4	1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.8	2.6	0.13	16	< 0.005	0.03	—	0.03	0.02	—	0.02	—	60	60	< 0.005	< 0.005	—	60
Total	16	16	0.13	16	< 0.005	0.03	—	0.03	0.02	—	0.02	—	60	60	< 0.005	< 0.005	—	60

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	344	925	1,269	35	0.85	—	2,409
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	844	2,143	2,987	87	2.1	—	5,781
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	8.4	21	30	0.87	0.02	—	58
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	1.8	2.5	0.07	< 0.005	—	4.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.9	7.4	10	0.30	0.01	—	20
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	94	238	332	9.6	0.23	—	642
Total	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.2	—	8,915

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	344	925	1,269	35	0.85	—	2,409
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	844	2,143	2,987	87	2.1	—	5,781
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	8.4	21	30	0.87	0.02	—	58
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	1.8	2.5	0.07	< 0.005	—	4.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.9	7.4	10	0.30	0.01	—	20
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	94	238	332	9.6	0.23	—	642
Total	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.2	—	8,915
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	57	153	210	5.9	0.14	—	399

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	140	355	495	14	0.35	—	957
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	1.4	3.5	4.9	0.14	< 0.005	—	9.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.12	0.30	0.42	0.01	< 0.005	—	0.80
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	1.2	1.7	0.05	< 0.005	—	3.3
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	16	39	55	1.6	0.04	—	106
Total	—	—	—	—	—	—	—	—	—	—	—	214	552	767	22	0.53	—	1,476

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	52	0.00	—	1,817
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	965	0.00	965	96	0.00	—	3,377
City Park	—	—	—	—	—	—	—	—	—	—	—	4.3	0.00	4.3	0.43	0.00	—	15
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20	0.00	—	713
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.8	0.00	2.8	0.28	0.00	—	9.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31	0.00	31	3.1	0.00	—	109
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14	0.00	—	495
Total	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	52	0.00	—	1,817

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	965	0.00	965	96	0.00	—	3,377
City Park	—	—	—	—	—	—	—	—	—	—	—	4.3	0.00	4.3	0.43	0.00	—	15
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20	0.00	—	713
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.8	0.00	2.8	0.28	0.00	—	9.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31	0.00	31	3.1	0.00	—	109
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14	0.00	—	495
Total	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	86	0.00	86	8.6	0.00	—	301
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16	0.00	—	559
City Park	—	—	—	—	—	—	—	—	—	—	—	0.71	0.00	0.71	0.07	0.00	—	2.5

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	34	0.00	34	3.4	0.00	—	118
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.47	0.00	0.47	0.05	0.00	—	1.6
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.1	0.00	5.1	0.51	0.00	—	18
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	23	0.00	23	2.3	0.00	—	82
Total	—	—	—	—	—	—	—	—	—	—	—	309	0.00	309	31	0.00	—	1,082

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	73	73
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.8	2.8
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20	20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95	95
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	73	73
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.8	2.8
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20	20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95	95
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12	12

City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47	0.47
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.3	3.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16	16

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	2.0	1.8	5.0	4.6	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	2.0	1.8	5.0	4.6	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	2.0	1.8	5.0	4.6	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	2.0	1.8	5.0	4.6	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.05	0.05	0.13	0.12	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	21	21	< 0.005	< 0.005	0.00	21
Total	0.05	0.05	0.13	0.12	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	21	21	< 0.005	< 0.005	0.00	21

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

5.9. 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
Industrial Park	376	342	287	130,863	21,680	19,709	16,574	7,544,278
Unrefrigerated Warehouse-No Rail	553	187	168	162,533	31,926	10,789	9,688	9,391,155
Unrefrigerated Warehouse-No Rail	168	136	135	57,986	9,716	7,846	7,773	3,347,531
City Park	72	212	239	42,285	1,180	3,474	3,922	693,278

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	6,607	4,274	3,936	2,150,647	107,687	69,668	64,150	35,053,111
Hospital	753	743	740	273,659	12,487	12,324	12,273	4,538,103
Strip Mall	272	272	269	99,126	1,739	1,737	1,722	633,667
Fast Food Restaurant with Drive Thru	2,241	2,243	2,241	818,046	15,500	15,511	15,500	5,658,065
Manufacturing	122	117	109	43,625	7,057	6,799	6,334	2,524,562

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Industrial Park	Wood Fireplaces	0	0
Industrial Park	Gas Fireplaces	0	0
Industrial Park	Propane Fireplaces	0	0
Industrial Park	Electric Fireplaces	0	0
Industrial Park	No Fireplaces	0	0
Industrial Park	Conventional Wood Stoves	0	0
Industrial Park	Catalytic Wood Stoves	0	0
Industrial Park	Non-Catalytic Wood Stoves	0	0
Industrial Park	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0

Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
City Park	Wood Fireplaces	0	0
City Park	Gas Fireplaces	0	0
City Park	Propane Fireplaces	0	0
City Park	Electric Fireplaces	0	0
City Park	No Fireplaces	0	0
City Park	Conventional Wood Stoves	0	0
City Park	Catalytic Wood Stoves	0	0
City Park	Non-Catalytic Wood Stoves	0	0
City Park	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0

Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Non-Asphalt Surfaces	Wood Fireplaces	0	0
Other Non-Asphalt Surfaces	Gas Fireplaces	0	0
Other Non-Asphalt Surfaces	Propane Fireplaces	0	0
Other Non-Asphalt Surfaces	Electric Fireplaces	0	0
Other Non-Asphalt Surfaces	No Fireplaces	0	0
Other Non-Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Non-Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Non-Asphalt Surfaces	Pellet Wood Stoves	0	0
User Defined Industrial	Wood Fireplaces	0	0
User Defined Industrial	Gas Fireplaces	0	0
User Defined Industrial	Propane Fireplaces	0	0
User Defined Industrial	Electric Fireplaces	0	0
User Defined Industrial	No Fireplaces	0	0
User Defined Industrial	Conventional Wood Stoves	0	0
User Defined Industrial	Catalytic Wood Stoves	0	0
User Defined Industrial	Non-Catalytic Wood Stoves	0	0
User Defined Industrial	Pellet Wood Stoves	0	0
Hospital	Wood Fireplaces	0	0
Hospital	Gas Fireplaces	0	0
Hospital	Propane Fireplaces	0	0
Hospital	Electric Fireplaces	0	0
Hospital	No Fireplaces	0	0
Hospital	Conventional Wood Stoves	0	0
Hospital	Catalytic Wood Stoves	0	0

Hospital	Non-Catalytic Wood Stoves	0	0
Hospital	Pellet Wood Stoves	0	0
Strip Mall	Wood Fireplaces	0	0
Strip Mall	Gas Fireplaces	0	0
Strip Mall	Propane Fireplaces	0	0
Strip Mall	Electric Fireplaces	0	0
Strip Mall	No Fireplaces	0	0
Strip Mall	Conventional Wood Stoves	0	0
Strip Mall	Catalytic Wood Stoves	0	0
Strip Mall	Non-Catalytic Wood Stoves	0	0
Strip Mall	Pellet Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Wood Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Gas Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Propane Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Electric Fireplaces	0	0
Fast Food Restaurant with Drive Thru	No Fireplaces	0	0
Fast Food Restaurant with Drive Thru	Conventional Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Non-Catalytic Wood Stoves	0	0
Fast Food Restaurant with Drive Thru	Pellet Wood Stoves	0	0
Manufacturing	Wood Fireplaces	0	0
Manufacturing	Gas Fireplaces	0	0
Manufacturing	Propane Fireplaces	0	0
Manufacturing	Electric Fireplaces	0	0
Manufacturing	No Fireplaces	0	0
Manufacturing	Conventional Wood Stoves	0	0
Manufacturing	Catalytic Wood Stoves	0	0
Manufacturing	Non-Catalytic Wood Stoves	0	0

Manufacturing	Pellet Wood Stoves	0	0

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)
undefined	0.00	0.00	4,408,500	1,469,500	136,260

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)
Industrial Park	7,458,064	261	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	3,226,672	261	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	1,613,336	261	0.0330	0.0040	0.00
City Park	0.00	261	0.0330	0.0040	0.00
Parking Lot	1,141,895	261	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00
User Defined Industrial	0.00	261	0.0330	0.0040	0.00
Hospital	1,033,091	261	0.0330	0.0040	0.00
Strip Mall	48,642	261	0.0330	0.0040	0.00

Fast Food Restaurant with Drive Thru	175,333	261	0.0330	0.0040	0.00
Manufacturing	1,110,525	261	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)
Industrial Park	179,681,250	13,502,286
Unrefrigerated Warehouse-No Rail	293,733,750	0.00
Unrefrigerated Warehouse-No Rail	146,866,875	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Hospital	4,391,819	0.00
Strip Mall	370,363	0.00
Fast Food Restaurant with Drive Thru	1,517,669	0.00
Manufacturing	48,955,625	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	963	0.00
Unrefrigerated Warehouse-No Rail	1,194	0.00
Unrefrigerated Warehouse-No Rail	597	0.00
City Park	8.0	0.00

Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
Hospital	378	0.00
Strip Mall	5.3	0.00
Fast Food Restaurant with Drive Thru	58	0.00
Manufacturing	263	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.0	4.0	18
City Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.0	4.0	18
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hospital	Chillers	R-134a	1,430	< 0.005	2.0	2.0	23
Hospital	Household refrigerators and/or freezers	R-134a	1,430	< 0.005	0.60	0.00	1.00
Hospital	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Hospital	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.0	4.0	18
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.8	4.0	4.0	18
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.5	7.5	20
Manufacturing	Other commercial A/C and heat pumps	User Defined	750	0.30	4.0	4.0	18

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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
Fire Pump	Diesel	1.00	1.00	50	220	0.73
Fire Pump	Diesel	1.00	1.00	50	220	0.73
Fire Pump	Diesel	1.00	1.00	50	220	0.73
Fire Pump	Diesel	1.00	1.00	50	220	0.73
Fire Pump	Diesel	1.00	1.00	50	220	0.73

5.16.2. Process Boilers

5.17. User Defined

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	20	annual days of extreme heat
Extreme Precipitation	3.1	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.8	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	77
AQ-PM	93
AQ-DPM	57
Drinking Water	100
Lead Risk Housing	17
Pesticides	85
Toxic Releases	68
Traffic	18
Effect Indicators	—
CleanUp Sites	80
Groundwater	98
Haz Waste Facilities/Generators	87
Impaired Water Bodies	87
Solid Waste	99

Sensitive Population	—
Asthma	17
Cardio-vascular	29
Low Birth Weights	49
Socioeconomic Factor Indicators	—
Education	53
Housing	59
Linguistic	69
Poverty	35
Unemployment	36

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635

Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719
Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1

Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72

Healthy Places Index Score for Project Location (b)	55
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas. Project will install solar to offset 45% of the industrial electrical demand.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

16285 Eucalyptus BP Ops Ph3 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

5.9. 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	16285 Eucalyptus BP Ops Ph3
Operational Year	2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	18.8
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

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
Industrial Park	777	1000sqft	17.8	777,000	840,786	—	—	—
Unrefrigerated Warehouse-No Rail	1,270	1000sqft	29.2	1,270,200	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	635	1000sqft	14.6	635,100	0.00	—	—	HCFC Sort
City Park	92.5	Acre	92.5	0.00	0.00	0.00	—	—
Parking Lot	3,325	Space	29.9	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	22.2	Acre	22.2	0.00	0.00	—	—	—
User Defined Industrial	2,894	User Defined Unit	0.00	0.00	0.00	—	—	PC
Hospital	35.0	1000sqft	0.80	35,000	0.00	—	—	—
Strip Mall	5.00	1000sqft	0.11	5,000	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.00	1000sqft	0.11	5,000	0.00	—	—	—
Manufacturing	212	1000sqft	4.86	211,700	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	143	128	177	581	2.52	3.51	161	165	3.32	41.7	45.0	3,162	292,703	295,866	335	32.1	618	314,417
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	119	105	184	385	2.44	3.29	161	164	3.15	41.7	44.8	3,162	285,076	288,239	335	32.2	109	306,326

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	128	115	163	442	2.19	2.88	143	146	2.72	37.0	39.7	3,162	257,751	260,914	334	29.1	297	278,225
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.4	21.0	29.8	80.7	0.40	0.53	26.1	26.6	0.50	6.75	7.24	524	42,674	43,197	55.2	4.82	49.2	46,063

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	47.5	34.4	171	449	2.50	3.02	161	164	2.88	41.7	44.5	—	268,785	268,785	12.6	28.6	523	278,137
Area	93.5	91.7	1.08	128	0.01	0.23	—	0.23	0.17	—	0.17	—	526	526	0.02	< 0.005	—	528
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,133	19,133	2.42	0.29	—	19,281
Water	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915
Waste	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Stationary	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	143	128	177	581	2.52	3.51	161	165	3.32	41.7	45.0	3,162	292,703	295,866	335	32.1	618	314,417
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	45.9	32.8	179	381	2.43	3.02	161	164	2.88	41.7	44.6	—	261,683	261,683	12.7	28.7	13.6	270,573
Area	70.7	70.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,133	19,133	2.42	0.29	—	19,281
Water	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915
Waste	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Stationary	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	119	105	184	385	2.44	3.29	161	164	3.15	41.7	44.8	3,162	285,076	288,239	335	32.2	109	306,326
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	41.4	29.7	162	354	2.19	2.69	143	146	2.56	37.0	39.5	—	234,795	234,795	11.4	25.6	202	242,910
Area	86.3	85.1	0.74	87.6	0.01	0.16	—	0.16	0.12	—	0.12	—	360	360	0.02	< 0.005	—	361
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,133	19,133	2.42	0.29	—	19,281
Water	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915
Waste	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Stationary	0.27	0.25	0.69	0.63	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	127	127	0.01	< 0.005	0.00	127
Total	128	115	163	442	2.19	2.88	143	146	2.72	37.0	39.7	3,162	257,751	260,914	334	29.1	297	278,225
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.55	5.41	29.6	64.6	0.40	0.49	26.1	26.6	0.47	6.75	7.22	—	38,873	38,873	1.89	4.24	33.4	40,217
Area	15.8	15.5	0.13	16.0	< 0.005	0.03	—	0.03	0.02	—	0.02	—	59.6	59.6	< 0.005	< 0.005	—	59.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	3,168	3,168	0.40	0.05	—	3,192
Water	—	—	—	—	—	—	—	—	—	—	—	214	552	767	22.0	0.53	—	1,476
Waste	—	—	—	—	—	—	—	—	—	—	—	309	0.00	309	30.9	0.00	—	1,082
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.8	15.8
Stationary	0.05	0.05	0.13	0.12	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	20.9	20.9	< 0.005	< 0.005	0.00	21.0
Total	23.4	21.0	29.8	80.7	0.40	0.53	26.1	26.6	0.50	6.75	7.24	524	42,674	43,197	55.2	4.82	49.2	46,063

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.97	0.88	46.3	25.0	0.48	0.81	19.1	19.9	0.78	5.13	5.91	—	53,175	53,175	2.99	8.01	105	55,741
Unrefrigerated Warehouse-No Rail	7.62	1.68	88.9	47.8	0.92	1.56	36.7	38.3	1.49	9.86	11.3	—	102,283	102,283	5.75	15.4	202	107,220
City Park	0.91	0.80	0.90	9.76	0.03	0.02	2.78	2.80	0.02	0.71	0.72	—	2,957	2,957	0.10	0.12	6.03	3,001
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	23.2	21.2	11.7	277	0.70	0.24	75.1	75.3	0.22	19.0	19.2	—	70,337	70,337	1.87	1.40	130	70,932
Hospital	2.88	2.53	2.86	31.0	0.09	0.05	8.85	8.91	0.05	2.25	2.30	—	9,412	9,412	0.33	0.39	19.2	9,555
Strip Mall	0.81	0.75	0.52	5.07	0.01	0.01	1.23	1.24	0.01	0.31	0.32	—	1,340	1,340	0.07	0.06	2.68	1,364
Fast Food Restaurant with Drive Thru	6.81	6.28	4.54	44.4	0.12	0.07	11.0	11.1	0.06	2.79	2.86	—	11,923	11,923	0.56	0.56	23.9	12,129
Manufacturing	1.29	0.28	15.1	8.10	0.16	0.26	6.22	6.49	0.25	1.67	1.92	—	17,357	17,357	0.97	2.62	34.2	18,195

Total	47.5	34.4	171	449	2.50	3.02	161	164	2.88	41.7	44.5	—	268,785	268,785	12.6	28.6	523	278,137
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	3.95	0.86	48.4	25.0	0.48	0.81	19.1	19.9	0.78	5.13	5.91	—	53,183	53,183	2.99	8.01	2.73	55,647
Unrefrigerated Warehouse-No Rail	7.57	1.64	92.9	47.9	0.92	1.56	36.7	38.3	1.49	9.86	11.3	—	102,298	102,298	5.74	15.4	5.24	107,040
City Park	0.87	0.76	0.97	7.96	0.03	0.02	2.78	2.80	0.02	0.71	0.72	—	2,771	2,771	0.11	0.13	0.16	2,811
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	22.3	20.3	13.0	224	0.64	0.24	75.1	75.3	0.22	19.0	19.2	—	64,800	64,800	1.94	1.51	3.37	65,301
Hospital	2.75	2.39	3.07	25.3	0.09	0.05	8.85	8.91	0.05	2.25	2.30	—	8,821	8,821	0.33	0.40	0.50	8,949
Strip Mall	0.77	0.71	0.56	4.40	0.01	0.01	1.23	1.24	0.01	0.31	0.32	—	1,258	1,258	0.07	0.07	0.07	1,280
Fast Food Restaurant with Drive Thru	6.43	5.91	4.86	38.3	0.11	0.07	11.0	11.1	0.06	2.79	2.86	—	11,192	11,192	0.59	0.58	0.62	11,381
Manufacturing	1.28	0.28	15.7	8.11	0.16	0.26	6.22	6.49	0.25	1.67	1.92	—	17,360	17,360	0.97	2.62	0.89	18,165
Total	45.9	32.8	179	381	2.43	3.02	161	164	2.88	41.7	44.6	—	261,683	261,683	12.7	28.7	13.6	270,573
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	0.69	0.15	8.51	4.34	0.08	0.14	3.30	3.44	0.14	0.89	1.02	—	8,394	8,394	0.47	1.26	7.18	8,789
Unrefrigerated Warehouse-No Rail	1.16	0.25	14.4	7.31	0.14	0.24	5.56	5.80	0.23	1.49	1.72	—	14,193	14,193	0.80	2.14	12.1	14,862
City Park	0.08	0.07	0.09	0.73	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	224	224	0.01	0.01	0.21	228
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	3.60	3.27	2.17	37.9	0.11	0.04	12.1	12.1	0.04	3.05	3.08	—	9,695	9,695	0.29	0.23	8.29	9,778
Hospital	0.50	0.43	0.57	4.78	0.02	0.01	1.59	1.60	0.01	0.40	0.41	—	1,469	1,469	0.05	0.07	1.37	1,492
Strip Mall	0.14	0.13	0.10	0.83	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	210	210	0.01	0.01	0.19	214
Fast Food Restaurant with Drive Thru	1.16	1.07	0.90	7.21	0.02	0.01	1.98	1.99	0.01	0.50	0.52	—	1,871	1,871	0.10	0.10	1.71	1,904
Manufacturing	0.23	0.05	2.85	1.45	0.03	0.05	1.10	1.15	0.05	0.30	0.34	—	2,817	2,817	0.16	0.42	2.39	2,950
Total	7.55	5.41	29.6	64.6	0.40	0.49	26.1	26.6	0.47	6.75	7.22	—	38,873	38,873	1.89	4.24	33.4	40,217

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	9,689	9,689	1.23	0.15	—	9,763
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,288	6,288	0.80	0.10	—	6,336
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	816	816	0.10	0.01	—	822
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	738	738	0.09	0.01	—	744
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	125	125	0.02	< 0.005	—	126
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	1,443	1,443	0.18	0.02	—	1,454
Total	—	—	—	—	—	—	—	—	—	—	—	—	19,133	19,133	2.42	0.29	—	19,281

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	9,689	9,689	1.23	0.15	—	9,763
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,288	6,288	0.80	0.10	—	6,336
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	816	816	0.10	0.01	—	822
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	738	738	0.09	0.01	—	744
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	125	125	0.02	< 0.005	—	126
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	1,443	1,443	0.18	0.02	—	1,454
Total	—	—	—	—	—	—	—	—	—	—	—	—	19,133	19,133	2.42	0.29	—	19,281
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,604	1,604	0.20	0.02	—	1,616

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,041	1,041	0.13	0.02	—	1,049
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.02	< 0.005	—	136
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.02	< 0.005	—	123
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	5.75	5.75	< 0.005	< 0.005	—	5.80
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	20.7	20.7	< 0.005	< 0.005	—	20.9
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	239	239	0.03	< 0.005	—	241
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,168	3,168	0.40	0.05	—	3,192

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Unrefrig Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Manufacturing	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Manufacturing	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Manufacturing	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	63.1	63.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.64	7.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	22.8	21.0	1.08	128	0.01	0.23	—	0.23	0.17	—	0.17	—	526	526	0.02	< 0.005	—	528
Total	93.5	91.7	1.08	128	0.01	0.23	—	0.23	0.17	—	0.17	—	526	526	0.02	< 0.005	—	528
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	63.1	63.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.64	7.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	70.7	70.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.5	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.85	2.63	0.13	16.0	< 0.005	0.03	—	0.03	0.02	—	0.02	—	59.6	59.6	< 0.005	< 0.005	—	59.8
Total	15.8	15.5	0.13	16.0	< 0.005	0.03	—	0.03	0.02	—	0.02	—	59.6	59.6	< 0.005	< 0.005	—	59.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	344	925	1,269	35.4	0.85	—	2,409
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	844	2,143	2,987	86.8	2.09	—	5,781
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	8.42	21.4	29.8	0.87	0.02	—	57.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	1.80	2.51	0.07	< 0.005	—	4.86
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	7.38	10.3	0.30	0.01	—	19.9
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	93.8	238	332	9.65	0.23	—	642
Total	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	344	925	1,269	35.4	0.85	—	2,409
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	844	2,143	2,987	86.8	2.09	—	5,781
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	8.42	21.4	29.8	0.87	0.02	—	57.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	1.80	2.51	0.07	< 0.005	—	4.86
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	7.38	10.3	0.30	0.01	—	19.9
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	93.8	238	332	9.65	0.23	—	642
Total	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	57.0	153	210	5.86	0.14	—	399

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	140	355	495	14.4	0.35	—	957
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	1.39	3.54	4.93	0.14	< 0.005	—	9.54
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.12	0.30	0.42	0.01	< 0.005	—	0.80
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	1.22	1.70	0.05	< 0.005	—	3.30
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	15.5	39.4	55.0	1.60	0.04	—	106
Total	—	—	—	—	—	—	—	—	—	—	—	214	552	767	22.0	0.53	—	1,476

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	51.9	0.00	—	1,817
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	965	0.00	965	96.5	0.00	—	3,377
City Park	—	—	—	—	—	—	—	—	—	—	—	4.29	0.00	4.29	0.43	0.00	—	15.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20.4	0.00	—	713
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.83	0.00	2.83	0.28	0.00	—	9.90
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	495
Total	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	51.9	0.00	—	1,817

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	965	0.00	965	96.5	0.00	—	3,377
City Park	—	—	—	—	—	—	—	—	—	—	—	4.29	0.00	4.29	0.43	0.00	—	15.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20.4	0.00	—	713
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.83	0.00	2.83	0.28	0.00	—	9.90
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	495
Total	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	86.0	0.00	86.0	8.59	0.00	—	301
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	559
City Park	—	—	—	—	—	—	—	—	—	—	—	0.71	0.00	0.71	0.07	0.00	—	2.48

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	33.7	0.00	33.7	3.37	0.00	—	118
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.47	0.00	0.47	0.05	0.00	—	1.64
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.34	0.00	—	81.9
Total	—	—	—	—	—	—	—	—	—	—	—	309	0.00	309	30.9	0.00	—	1,082

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72.6	72.6
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.81	2.81
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.8	19.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72.6	72.6
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.81	2.81
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.8	19.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.0	12.0

City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47	0.47
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.8	15.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.05	0.05	0.13	0.12	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	20.9	20.9	< 0.005	< 0.005	0.00	21.0
Total	0.05	0.05	0.13	0.12	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	20.9	20.9	< 0.005	< 0.005	0.00	21.0

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

5.9. 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
Industrial Park	376	342	287	130,863	21,680	19,709	16,574	7,544,278
Unrefrigerated Warehouse-No Rail	553	187	168	162,533	31,926	10,789	9,688	9,391,155
Unrefrigerated Warehouse-No Rail	168	136	135	57,986	9,716	7,846	7,773	3,347,531
City Park	72.0	212	239	42,285	1,180	3,474	3,922	693,278

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	6,607	4,274	3,936	2,150,647	107,687	69,668	64,150	35,053,111
Hospital	753	743	740	273,659	12,487	12,324	12,273	4,538,103
Strip Mall	272	272	269	99,126	1,739	1,737	1,722	633,667
Fast Food Restaurant with Drive Thru	2,241	2,243	2,241	818,046	15,500	15,511	15,500	5,658,065
Manufacturing	122	117	109	43,625	7,057	6,799	6,334	2,524,562

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	4,408,500	1,469,500	136,260

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)
Industrial Park	13,560,117	261	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,866,677	261	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	2,933,338	261	0.0330	0.0040	0.00
City Park	0.00	261	0.0330	0.0040	0.00
Parking Lot	1,141,895	261	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00
User Defined Industrial	0.00	261	0.0330	0.0040	0.00
Hospital	1,033,091	261	0.0330	0.0040	0.00
Strip Mall	48,642	261	0.0330	0.0040	0.00
Fast Food Restaurant with Drive Thru	175,333	261	0.0330	0.0040	0.00
Manufacturing	2,019,136	261	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)
Industrial Park	179,681,250	13,502,286
Unrefrigerated Warehouse-No Rail	293,733,750	0.00
Unrefrigerated Warehouse-No Rail	146,866,875	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

Hospital	4,391,819	0.00
Strip Mall	370,363	0.00
Fast Food Restaurant with Drive Thru	1,517,669	0.00
Manufacturing	48,955,625	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	963	—
Unrefrigerated Warehouse-No Rail	1,194	—
Unrefrigerated Warehouse-No Rail	597	—
City Park	7.95	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Hospital	378	—
Strip Mall	5.25	—
Fast Food Restaurant with Drive Thru	57.6	—
Manufacturing	263	—

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
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0

City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hospital	Chillers	R-134a	1,430	< 0.005	2.00	2.00	23.0
Hospital	Household refrigerators and/or freezers	R-134a	1,430	< 0.005	0.60	0.00	1.00
Hospital	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Hospital	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Manufacturing	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0

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
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73

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	19.8	annual days of extreme heat
Extreme Precipitation	3.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.78	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	77.1
AQ-PM	93.4
AQ-DPM	57.1
Drinking Water	100.0
Lead Risk Housing	17.5
Pesticides	84.9
Toxic Releases	67.6
Traffic	18.1
Effect Indicators	—
CleanUp Sites	80.3
Groundwater	98.1
Haz Waste Facilities/Generators	86.6
Impaired Water Bodies	87.0
Solid Waste	98.9
Sensitive Population	—
Asthma	16.5
Cardio-vascular	29.1
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	52.9
Housing	59.3
Linguistic	68.9
Poverty	35.4
Unemployment	36.4

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719

Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72.0
Healthy Places Index Score for Project Location (b)	55.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.8:

CALEEMOD PHASE 1 OPERATIONAL LOCALIZED EMISSIONS MODEL OUTPUTS

16285 Eucalyptus BP Ops Ph1 LST 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

5.9. 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	16285 Eucalyptus BP Ops Ph1 LST
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	18.8
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

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
Industrial Park	341	1000sqft	7.82	340,700	340,901	—	—	—
Unrefrigerated Warehouse-No Rail	553	1000sqft	12.7	553,300	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	326	1000sqft	7.49	326,200	0.00	—	—	HCFC Sort
City Park	33.8	Acre	33.8	0.00	0.00	0.00	—	—
Parking Lot	1,367	Space	12.3	546,800	0.00	—	—	—
Other Non-Asphalt Surfaces	7.76	Acre	7.76	0.00	0.00	—	—	—
User Defined Industrial	1,220	User Defined Unit	0.00	0.00	0.00	—	—	PC

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	52.1	50.4	9.39	101	0.03	0.27	1.21	1.48	0.23	0.31	0.54	1,216	15,103	16,319	125	1.85	36.1	20,026
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	37.9	37.3	9.10	26.2	0.03	0.13	1.21	1.35	0.13	0.31	0.44	1,216	14,724	15,940	125	1.86	32.0	19,646
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	45.7	44.5	6.88	74.8	0.02	0.13	1.07	1.21	0.11	0.27	0.38	1,216	14,345	15,560	125	1.82	33.5	19,252
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.35	8.12	1.26	13.7	< 0.005	0.02	0.20	0.22	0.02	0.05	0.07	201	2,375	2,576	20.6	0.30	5.54	3,187

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	8.24	7.69	6.73	22.5	0.02	0.03	1.21	1.24	0.02	0.31	0.33	—	2,631	2,631	0.72	0.40	4.23	2,771
Area	43.0	42.0	0.65	76.9	< 0.005	0.14	—	0.14	0.10	—	0.10	—	316	316	0.01	< 0.005	—	317
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	9,938	9,938	0.95	0.11	—	9,996
Water	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Waste	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Stationary	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	52.1	50.4	9.39	101	0.03	0.27	1.21	1.48	0.23	0.31	0.54	1,216	15,103	16,319	125	1.85	36.1	20,026
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.79	7.22	7.08	24.4	0.02	0.03	1.21	1.24	0.03	0.31	0.34	—	2,568	2,568	0.77	0.40	0.11	2,708
Area	29.3	29.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	9,938	9,938	0.95	0.11	—	9,996
Water	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Waste	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Stationary	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	37.9	37.3	9.10	26.2	0.03	0.13	1.21	1.35	0.13	0.31	0.44	1,216	14,724	15,940	125	1.86	32.0	19,646
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.92	6.41	6.16	21.9	0.02	0.02	1.07	1.10	0.02	0.27	0.30	—	2,290	2,290	0.68	0.36	1.63	2,416

Area	38.7	38.0	0.44	52.6	< 0.005	0.09	—	0.09	0.07	—	0.07	—	216	216	0.01	< 0.005	—	217
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	9,938	9,938	0.95	0.11	—	9,996
Water	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Waste	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Stationary	0.11	0.10	0.28	0.25	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	50.6	50.6	< 0.005	< 0.005	0.00	50.8
Total	45.7	44.5	6.88	74.8	0.02	0.13	1.07	1.21	0.11	0.27	0.38	1,216	14,345	15,560	125	1.82	33.5	19,252
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.26	1.17	1.12	4.00	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	379	379	0.11	0.06	0.27	400
Area	7.07	6.93	0.08	9.61	< 0.005	0.02	—	0.02	0.01	—	0.01	—	35.8	35.8	< 0.005	< 0.005	—	36.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,645	1,645	0.16	0.02	—	1,655
Water	—	—	—	—	—	—	—	—	—	—	—	89.5	306	396	9.21	0.22	—	692
Waste	—	—	—	—	—	—	—	—	—	—	—	112	0.00	112	11.2	0.00	—	391
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.27	5.27
Stationary	0.02	0.02	0.05	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	8.38	8.38	< 0.005	< 0.005	0.00	8.41
Total	8.35	8.12	1.26	13.7	< 0.005	0.02	0.20	0.22	0.02	0.05	0.07	201	2,375	2,576	20.6	0.30	5.54	3,187

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	0.22	0.09	1.72	1.49	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	405	405	0.12	0.07	0.54	428
Unrefrigerated Warehouse-No Rail	0.43	0.18	3.45	2.96	0.01	0.01	0.14	0.15	0.01	0.04	0.05	—	809	809	0.24	0.13	1.07	855
City Park	0.25	0.25	0.08	0.55	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	50.3	50.3	0.01	0.01	0.10	52.9
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	7.34	7.17	1.47	17.5	0.01	0.01	0.96	0.98	0.01	0.24	0.26	—	1,367	1,367	0.35	0.19	2.52	1,435
Total	8.24	7.69	6.73	22.5	0.02	0.03	1.21	1.24	0.02	0.31	0.33	—	2,631	2,631	0.72	0.40	4.23	2,771
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.21	0.08	1.81	1.53	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	408	408	0.12	0.07	0.01	431
Unrefrigerated Warehouse-No Rail	0.41	0.16	3.62	3.04	0.01	0.01	0.14	0.15	0.01	0.04	0.05	—	815	815	0.24	0.13	0.03	860
City Park	0.24	0.23	0.09	0.60	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	48.4	48.4	0.01	0.01	< 0.005	50.9
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	6.94	6.74	1.58	19.2	0.01	0.01	0.96	0.98	0.01	0.24	0.26	—	1,297	1,297	0.40	0.20	0.07	1,366
Total	7.79	7.22	7.08	24.4	0.02	0.03	1.21	1.24	0.03	0.31	0.34	—	2,568	2,568	0.77	0.40	0.11	2,708
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.04	0.02	0.31	0.26	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	64.1	64.1	0.02	0.01	0.04	67.7
Unrefrigerated Warehouse-No Rail	0.06	0.03	0.54	0.46	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	113	113	0.03	0.02	0.06	120
City Park	0.02	0.02	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	< 0.005	4.10
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.14	1.11	0.27	3.23	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	198	198	0.06	0.03	0.17	209
Total	1.26	1.17	1.12	4.00	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	379	379	0.11	0.06	0.27	400

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,672
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,853	3,853	0.37	0.04	—	3,875
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	445	445	0.04	0.01	—	448
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,938	9,938	0.95	0.11	—	9,996
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,672
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,853	3,853	0.37	0.04	—	3,875
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	445	445	0.04	0.01	—	448
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	9,938	9,938	0.95	0.11	—	9,996
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	934	934	0.09	0.01	—	939
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	638	638	0.06	0.01	—	642
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	73.7	73.7	0.01	< 0.005	—	74.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,645	1,645	0.16	0.02	—	1,655

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Unrefrig Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industria Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	26.2	26.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.17	3.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	13.7	12.6	0.65	76.9	< 0.005	0.14	—	0.14	0.10	—	0.10	—	316	316	0.01	< 0.005	—	317
Total	43.0	42.0	0.65	76.9	< 0.005	0.14	—	0.14	0.10	—	0.10	—	316	316	0.01	< 0.005	—	317
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	26.2	26.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.17	3.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	29.3	29.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	4.78	4.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.58	0.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.71	1.58	0.08	9.61	< 0.005	0.02	—	0.02	0.01	—	0.01	—	35.8	35.8	< 0.005	< 0.005	—	36.0
Total	7.07	6.93	0.08	9.61	< 0.005	0.02	—	0.02	0.01	—	0.01	—	35.8	35.8	< 0.005	< 0.005	—	36.0

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	151	536	687	15.5	0.37	—	1,187
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	390	1,313	1,703	40.1	0.96	—	2,993
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	151	536	687	15.5	0.37	—	1,187
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	390	1,313	1,703	40.1	0.96	—	2,993
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	541	1,849	2,390	55.6	1.34	—	4,180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	25.0	88.8	114	2.57	0.06	—	197
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	64.5	217	282	6.64	0.16	—	495
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	89.5	306	396	9.21	0.22	—	692

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	228	0.00	228	22.8	0.00	—	797
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.5	0.00	—	1,559
City Park	—	—	—	—	—	—	—	—	—	—	—	1.57	0.00	1.57	0.16	0.00	—	5.48
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	228	0.00	228	22.8	0.00	—	797
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	446	0.00	446	44.5	0.00	—	1,559
City Park	—	—	—	—	—	—	—	—	—	—	—	1.57	0.00	1.57	0.16	0.00	—	5.48

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	675	0.00	675	67.4	0.00	—	2,361
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	37.7	0.00	37.7	3.77	0.00	—	132
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	73.8	0.00	73.8	7.37	0.00	—	258
City Park	—	—	—	—	—	—	—	—	—	—	—	0.26	0.00	0.26	0.03	0.00	—	0.91
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	112	0.00	112	11.2	0.00	—	391

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.27	5.27
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.27	5.27

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Total	0.79	0.72	2.02	1.84	< 0.005	0.11	0.00	0.11	0.11	0.00	0.11	0.00	369	369	0.01	< 0.005	0.00	371
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Fire Pump	0.02	0.02	0.05	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	8.38	8.38	< 0.005	< 0.005	0.00	8.41
Total	0.02	0.02	0.05	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	8.38	8.38	< 0.005	< 0.005	0.00	8.41

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

5.9. 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
Industrial Park	164	149	125	57,026	81.9	74.4	62.7	28,513
Unrefrigerated Warehouse-No Rail	240	81.3	72.5	70,626	120	40.7	36.2	35,313
Unrefrigerated Warehouse-No Rail	86.1	69.8	68.8	29,681	43.1	34.9	34.4	14,840
City Park	26.0	77.1	87.1	15,340	13.0	38.6	43.6	7,670
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	2,767	2,012	1,863	923,576	1,384	1,006	932	461,788

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	1,830,300	610,100	52,437

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)
Industrial Park	5,945,858	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	2,555,528	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	1,506,621	346	0.0330	0.0040	0.00
City Park	0.00	346	0.0330	0.0040	0.00
Parking Lot	469,465	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	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)
Industrial Park	78,786,875	5,474,571
Unrefrigerated Warehouse-No Rail	127,950,625	0.00
Unrefrigerated Warehouse-No Rail	75,433,750	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	422	—
Unrefrigerated Warehouse-No Rail	520	—
Unrefrigerated Warehouse-No Rail	307	—
City Park	2.91	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—
User Defined Industrial	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
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

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
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73

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	19.8	annual days of extreme heat
Extreme Precipitation	3.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.78	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	77.1
AQ-PM	93.4
AQ-DPM	57.1
Drinking Water	100.0
Lead Risk Housing	17.5
Pesticides	84.9
Toxic Releases	67.6
Traffic	18.1
Effect Indicators	—
CleanUp Sites	80.3
Groundwater	98.1
Haz Waste Facilities/Generators	86.6
Impaired Water Bodies	87.0
Solid Waste	98.9
Sensitive Population	—
Asthma	16.5
Cardio-vascular	29.1
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	52.9
Housing	59.3
Linguistic	68.9
Poverty	35.4
Unemployment	36.4

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719

Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72.0
Healthy Places Index Score for Project Location (b)	55.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.9:

CALEEMOD PHASE 2 OPERATIONAL LOCALIZED EMISSIONS MODEL OUTPUTS

16285 Eucalyptus BP Ops Ph2 LST 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

5.9. 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	16285 Eucalyptus BP Ops Ph2 LST
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	18.8
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

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
Industrial Park	614	1000sqft	14.1	614,400	682,838	—	—	—
Unrefrigerated Warehouse-No Rail	1,107	1000sqft	25.4	1,106,600	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	587	1000sqft	13.5	587,200	0.00	—	—	HCFC Sort
City Park	71.5	Acre	71.5	0.00	0.00	0.00	—	—
Parking Lot	2,638	Space	23.7	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	19.6	Acre	19.6	0.00	0.00	—	—	—
User Defined Industrial	2,308	User Defined Unit	0.00	0.00	0.00	—	—	PC
Hospital	35.0	1000sqft	0.80	35,000	0.00	—	—	—
Strip Mall	5.00	1000sqft	0.11	5,000	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.00	1000sqft	0.11	5,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	100	97.5	21.7	175	0.11	0.49	6.36	6.85	0.44	1.62	2.06	2,544	34,752	37,296	261	4.02	79.6	45,102
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	80.8	79.2	21.7	76.1	0.10	0.31	6.36	6.67	0.30	1.62	1.93	2,544	33,956	36,501	261	4.05	60.8	44,298
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	90.2	87.9	16.9	138	0.09	0.24	5.80	6.05	0.21	1.48	1.69	2,544	32,785	35,330	261	3.93	68.0	43,096
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.5	16.0	3.09	25.2	0.02	0.04	1.06	1.10	0.04	0.27	0.31	421	5,428	5,849	43.2	0.65	11.3	7,135

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	24.0	22.6	16.8	69.4	0.10	0.10	6.36	6.46	0.09	1.62	1.71	—	10,408	10,408	1.86	1.22	19.3	10,839
Area	74.8	73.4	0.86	102	0.01	0.18	—	0.18	0.14	—	0.14	—	421	421	0.02	< 0.005	—	422
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,642	19,642	1.87	0.23	—	19,756
Water	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Waste	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Stationary	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Total	100	97.5	21.7	175	0.11	0.49	6.36	6.85	0.44	1.62	2.06	2,544	34,752	37,296	261	4.02	79.6	45,102
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.6	21.2	17.7	72.5	0.09	0.10	6.36	6.46	0.09	1.62	1.71	—	10,033	10,033	2.00	1.25	0.50	10,457
Area	56.6	56.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,642	19,642	1.87	0.23	—	19,756
Water	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Waste	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Stationary	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741

Total	80.8	79.2	21.7	76.1	0.10	0.31	6.36	6.67	0.30	1.62	1.93	2,544	33,956	36,501	261	4.05	60.8	44,298
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.9	19.5	15.8	67.7	0.09	0.09	5.80	5.89	0.08	1.48	1.56	—	9,212	9,212	1.82	1.14	7.62	9,605
Area	69.1	68.1	0.59	70.1	< 0.005	0.12	—	0.12	0.09	—	0.09	—	288	288	0.01	< 0.005	—	289
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,642	19,642	1.87	0.23	—	19,756
Water	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Waste	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Stationary	0.22	0.20	0.55	0.50	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	101	101	< 0.005	< 0.005	0.00	102
Total	90.2	87.9	16.9	138	0.09	0.24	5.80	6.05	0.21	1.48	1.69	2,544	32,785	35,330	261	3.93	68.0	43,096
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.81	3.57	2.88	12.4	0.02	0.02	1.06	1.08	0.01	0.27	0.29	—	1,525	1,525	0.30	0.19	1.26	1,590
Area	12.6	12.4	0.11	12.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	47.7	47.7	< 0.005	< 0.005	—	47.9
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	3,252	3,252	0.31	0.04	—	3,271
Water	—	—	—	—	—	—	—	—	—	—	—	171	586	758	17.6	0.42	—	1,325
Waste	—	—	—	—	—	—	—	—	—	—	—	250	0.00	250	25.0	0.00	—	874
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.99	9.99
Stationary	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	16.8	16.8	< 0.005	< 0.005	0.00	16.8
Total	16.5	16.0	3.09	25.2	0.02	0.04	1.06	1.10	0.04	0.27	0.31	421	5,428	5,849	43.2	0.65	11.3	7,135

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.40	0.17	3.37	2.82	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	1,099	1,099	0.23	0.17	1.76	1,158
Unrefrigerated Warehouse-No Rail	0.87	0.35	7.25	6.05	0.02	0.03	0.56	0.59	0.03	0.15	0.18	—	2,358	2,358	0.49	0.37	3.77	2,486
City Park	0.52	0.50	0.19	1.34	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	177	177	0.03	0.02	0.37	183
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	13.1	12.8	2.82	37.1	0.04	0.03	3.58	3.61	0.03	0.90	0.93	—	4,188	4,188	0.64	0.37	8.20	4,322
Hospital	2.12	2.04	0.75	5.46	0.01	0.01	0.53	0.54	0.01	0.14	0.14	—	718	718	0.11	0.07	1.50	743
Strip Mall	0.77	0.74	0.29	2.13	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	309	309	0.04	0.03	0.67	319
Fast Food Restaurant with Drive Thru	6.23	6.04	2.09	14.5	0.02	0.01	1.06	1.07	0.01	0.27	0.28	—	1,560	1,560	0.32	0.19	2.98	1,628
Total	24.0	22.6	16.8	69.4	0.10	0.10	6.36	6.46	0.09	1.62	1.71	—	10,408	10,408	1.86	1.22	19.3	10,839
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial	0.39	0.15	3.54	2.89	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	1,105	1,105	0.23	0.18	0.05	1,163
Unrefrigerated Warehouse-No Rail	0.83	0.32	7.61	6.20	0.02	0.03	0.56	0.59	0.03	0.15	0.18	—	2,371	2,371	0.49	0.38	0.10	2,495
City Park	0.49	0.47	0.20	1.40	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	168	168	0.03	0.02	0.01	174
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	12.4	12.0	3.04	38.6	0.04	0.03	3.58	3.61	0.03	0.90	0.93	—	3,923	3,923	0.73	0.38	0.21	4,056
Hospital	1.97	1.90	0.80	5.68	0.01	0.01	0.53	0.54	0.01	0.14	0.14	—	682	682	0.12	0.07	0.04	707
Strip Mall	0.72	0.69	0.30	2.17	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	293	293	0.05	0.03	0.02	302
Fast Food Restaurant with Drive Thru	5.81	5.60	2.22	15.5	0.01	0.01	1.06	1.07	0.01	0.27	0.28	—	1,492	1,492	0.35	0.20	0.08	1,560
Total	22.6	21.2	17.7	72.5	0.09	0.10	6.36	6.46	0.09	1.62	1.71	—	10,033	10,033	2.00	1.25	0.50	10,457
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.07	0.03	0.60	0.50	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	174	174	0.04	0.03	0.12	183
Unrefrigerated Warehouse-No Rail	0.13	0.05	1.14	0.94	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	329	329	0.07	0.05	0.23	346

City Park	0.04	0.04	0.02	0.12	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.01	14.1
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	2.04	1.97	0.51	6.50	0.01	0.01	0.59	0.59	< 0.005	0.15	0.15	—	598	598	0.11	0.06	0.53	619
Hospital	0.35	0.34	0.15	1.04	< 0.005	< 0.005	0.10	0.10	< 0.005	0.02	0.03	—	113	113	0.02	0.01	0.11	118
Strip Mall	0.13	0.12	0.06	0.40	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	48.8	48.8	0.01	< 0.005	0.05	50.5
Fast Food Restaurant with Drive Thru	1.05	1.01	0.40	2.85	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	249	249	0.06	0.03	0.21	260
Total	3.81	3.57	2.88	12.4	0.02	0.02	1.06	1.08	0.01	0.27	0.29	—	1,525	1,525	0.30	0.19	1.26	1,590

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	10,170	10,170	0.97	0.12	—	10,229

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	—	7,420	7,420	0.71	0.09	—	7,463
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	859	859	0.08	0.01	—	864
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	980	980	0.09	0.01	—	986
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	46.1	46.1	< 0.005	< 0.005	—	46.4
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	166	166	0.02	< 0.005	—	167
Total	—	—	—	—	—	—	—	—	—	—	—	—	19,642	19,642	1.87	0.23	—	19,756
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	10,170	10,170	0.97	0.12	—	10,229
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	7,420	7,420	0.71	0.09	—	7,463
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	859	859	0.08	0.01	—	864
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	980	980	0.09	0.01	—	986
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	46.1	46.1	< 0.005	< 0.005	—	46.4
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	166	166	0.02	< 0.005	—	167
Total	—	—	—	—	—	—	—	—	—	—	—	—	19,642	19,642	1.87	0.23	—	19,756
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,684	1,684	0.16	0.02	—	1,694
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,228	1,228	0.12	0.01	—	1,236
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	142	142	0.01	< 0.005	—	143
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Hospital	—	—	—	—	—	—	—	—	—	—	—	—	162	162	0.02	< 0.005	—	163
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	7.64	7.64	< 0.005	< 0.005	—	7.68
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	27.5	27.5	< 0.005	< 0.005	—	27.7
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,252	3,252	0.31	0.04	—	3,271

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant with Drive Thru	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	50.5	50.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.12	6.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	18.2	16.8	0.86	102	0.01	0.18	—	0.18	0.14	—	0.14	—	421	421	0.02	< 0.005	—	422
Total	74.8	73.4	0.86	102	0.01	0.18	—	0.18	0.14	—	0.14	—	421	421	0.02	< 0.005	—	422
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	50.5	50.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.12	6.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	56.6	56.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Product	9.22	9.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.12	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.28	2.10	0.11	12.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	47.7	47.7	< 0.005	< 0.005	—	47.9
Total	12.6	12.4	0.11	12.8	< 0.005	0.02	—	0.02	0.02	—	0.02	—	47.7	47.7	< 0.005	< 0.005	—	47.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	272	973	1,245	28.0	0.67	—	2,146
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	751	2,529	3,280	77.2	1.86	—	5,763
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	8.42	28.4	36.8	0.87	0.02	—	64.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	2.39	3.10	0.07	< 0.005	—	5.45
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	9.80	12.7	0.30	0.01	—	22.3
Total	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	272	973	1,245	28.0	0.67	—	2,146
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	751	2,529	3,280	77.2	1.86	—	5,763
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Hospital	—	—	—	—	—	—	—	—	—	—	—	8.42	28.4	36.8	0.87	0.02	—	64.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	2.39	3.10	0.07	< 0.005	—	5.45
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	9.80	12.7	0.30	0.01	—	22.3
Total	—	—	—	—	—	—	—	—	—	—	—	1,035	3,542	4,577	106	2.56	—	8,002
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	45.1	161	206	4.64	0.11	—	355
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	124	419	543	12.8	0.31	—	954
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	1.39	4.69	6.09	0.14	< 0.005	—	10.7
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.12	0.40	0.51	0.01	< 0.005	—	0.90

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	1.62	2.10	0.05	< 0.005	—	3.70
Total	—	—	—	—	—	—	—	—	—	—	—	171	586	758	17.6	0.42	—	1,325

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	411	0.00	411	41.0	0.00	—	1,437
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	858	0.00	858	85.8	0.00	—	3,002
City Park	—	—	—	—	—	—	—	—	—	—	—	3.31	0.00	3.31	0.33	0.00	—	11.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20.4	0.00	—	713

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.83	0.00	2.83	0.28	0.00	—	9.90
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
Total	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	411	0.00	411	41.0	0.00	—	1,437
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	858	0.00	858	85.8	0.00	—	3,002
City Park	—	—	—	—	—	—	—	—	—	—	—	3.31	0.00	3.31	0.33	0.00	—	11.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20.4	0.00	—	713
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.83	0.00	2.83	0.28	0.00	—	9.90

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
Total	—	—	—	—	—	—	—	—	—	—	—	1,510	0.00	1,510	151	0.00	—	5,282
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	68.0	0.00	68.0	6.79	0.00	—	238
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	142	0.00	142	14.2	0.00	—	497
City Park	—	—	—	—	—	—	—	—	—	—	—	0.55	0.00	0.55	0.05	0.00	—	1.92
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	33.7	0.00	33.7	3.37	0.00	—	118
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.47	0.00	0.47	0.05	0.00	—	1.64
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
Total	—	—	—	—	—	—	—	—	—	—	—	250	0.00	250	25.0	0.00	—	874

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.4	57.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.81	2.81
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.4	57.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.81	2.81
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.3	60.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.51	9.51
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47	0.47
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.99	9.99

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Total	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Total	1.59	1.44	4.04	3.68	0.01	0.21	0.00	0.21	0.21	0.00	0.21	0.00	739	739	0.03	0.01	0.00	741
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	16.8	16.8	< 0.005	< 0.005	0.00	16.8
Total	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	16.8	16.8	< 0.005	< 0.005	0.00	16.8

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

5.9. 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
Industrial Park	296	269	226	103,030	296	269	226	103,030

Unrefrigerated Warehouse-No Rail	480	163	145	141,253	480	163	145	141,253
Unrefrigerated Warehouse-No Rail	154	125	123	53,061	154	125	123	53,061
City Park	56.0	164	185	32,816	56.0	164	185	32,816
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	5,090	3,652	3,377	1,693,411	5,132	3,682	3,405	1,707,466
Hospital	753	743	740	273,659	753	743	740	273,659
Strip Mall	272	272	269	99,126	336	336	333	122,529
Fast Food Restaurant with Drive Thru	2,241	2,243	2,241	818,046	1,493	1,494	1,493	544,974

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	3,529,800	1,176,600	113,174

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)
Industrial Park	10,722,440	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,111,057	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	2,712,102	346	0.0330	0.0040	0.00
City Park	0.00	346	0.0330	0.0040	0.00
Parking Lot	905,960	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Hospital	1,033,091	346	0.0330	0.0040	0.00
Strip Mall	48,642	346	0.0330	0.0040	0.00
Fast Food Restaurant with Drive Thru	175,333	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)
Industrial Park	142,080,000	10,965,780
Unrefrigerated Warehouse-No Rail	255,901,250	0.00
Unrefrigerated Warehouse-No Rail	135,790,000	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

User Defined Industrial	0.00	0.00
Hospital	4,391,819	0.00
Strip Mall	370,363	0.00
Fast Food Restaurant with Drive Thru	1,517,669	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	762	—
Unrefrigerated Warehouse-No Rail	1,040	—
Unrefrigerated Warehouse-No Rail	552	—
City Park	6.15	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Hospital	378	—
Strip Mall	5.25	—
Fast Food Restaurant with Drive Thru	57.6	—

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
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0

City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hospital	Chillers	R-134a	1,430	< 0.005	2.00	2.00	23.0
Hospital	Household refrigerators and/or freezers	R-134a	1,430	< 0.005	0.60	0.00	1.00
Hospital	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Hospital	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

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
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73

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	19.8	annual days of extreme heat
Extreme Precipitation	3.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.78	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	77.1
AQ-PM	93.4
AQ-DPM	57.1
Drinking Water	100.0
Lead Risk Housing	17.5
Pesticides	84.9
Toxic Releases	67.6
Traffic	18.1
Effect Indicators	—
CleanUp Sites	80.3
Groundwater	98.1
Haz Waste Facilities/Generators	86.6
Impaired Water Bodies	87.0
Solid Waste	98.9
Sensitive Population	—
Asthma	16.5
Cardio-vascular	29.1
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	52.9
Housing	59.3
Linguistic	68.9
Poverty	35.4
Unemployment	36.4

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719

Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72.0
Healthy Places Index Score for Project Location (b)	55.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.10:

CALEEMOD PHASE 3 OPERATIONAL LOCALIZED EMISSIONS MODEL OUTPUTS

16285 Eucalyptus BP Ops Ph3 LST 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

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, 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

5.9. 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	16285 Eucalyptus BP Ops Ph3 LST
Operational Year	2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.60
Precipitation (days)	18.8
Location	33.99285819539165, -117.62442182650997
County	San Bernardino-South Coast
City	Ontario
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5260
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

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
Industrial Park	777	1000sqft	17.8	777,000	840,786	—	—	—
Unrefrigerated Warehouse-No Rail	1,270	1000sqft	29.2	1,270,200	0.00	—	—	Warehousing

Unrefrigerated Warehouse-No Rail	635	1000sqft	14.6	635,100	0.00	—	—	HCFC Sort
City Park	92.5	Acre	92.5	0.00	0.00	0.00	—	—
Parking Lot	3,325	Space	29.9	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	22.2	Acre	22.2	0.00	0.00	—	—	—
User Defined Industrial	2,894	User Defined Unit	0.00	0.00	0.00	—	—	PC
Hospital	35.0	1000sqft	0.80	35,000	0.00	—	—	—
Strip Mall	5.00	1000sqft	0.11	5,000	0.00	—	—	—
Fast Food Restaurant with Drive Thru	5.00	1000sqft	0.11	5,000	0.00	—	—	—
Manufacturing	212	1000sqft	4.86	211,700	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

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.	122	118	26.8	215	0.15	0.62	9.48	10.1	0.55	2.42	2.97	3,162	38,378	41,540	324	5.09	118	51,287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	97.6	95.8	26.9	89.7	0.14	0.39	9.48	9.87	0.38	2.42	2.80	3,162	37,311	40,473	325	5.12	95.9	50,210

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	109	106	20.9	166	0.12	0.30	8.49	8.79	0.26	2.16	2.43	3,162	35,600	38,762	324	4.96	104	48,454
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.9	19.4	3.81	30.4	0.02	0.06	1.55	1.60	0.05	0.40	0.44	524	5,894	6,417	53.7	0.82	17.2	8,022

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	26.4	24.7	20.7	83.0	0.14	0.12	9.48	9.60	0.12	2.42	2.53	—	14,459	14,459	2.14	1.58	22.5	15,007
Area	93.5	91.7	1.08	128	0.01	0.23	—	0.23	0.17	—	0.17	—	526	526	0.02	< 0.005	—	528
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,133	19,133	2.42	0.29	—	19,281
Water	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915
Waste	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Stationary	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	122	118	26.8	215	0.15	0.62	9.48	10.1	0.55	2.42	2.97	3,162	38,378	41,540	324	5.09	118	51,287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	25.0	23.2	21.9	85.0	0.13	0.13	9.48	9.60	0.12	2.42	2.54	—	13,918	13,918	2.29	1.62	0.58	14,457
Area	70.7	70.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,133	19,133	2.42	0.29	—	19,281
Water	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915
Waste	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Stationary	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	97.6	95.8	26.9	89.7	0.14	0.39	9.48	9.87	0.38	2.42	2.80	3,162	37,311	40,473	325	5.12	95.9	50,210
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.6	21.0	19.4	78.2	0.12	0.11	8.49	8.60	0.11	2.16	2.27	—	12,644	12,644	2.07	1.46	8.79	13,140
Area	86.3	85.1	0.74	87.6	0.01	0.16	—	0.16	0.12	—	0.12	—	360	360	0.02	< 0.005	—	361
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	19,133	19,133	2.42	0.29	—	19,281
Water	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915
Waste	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Stationary	0.27	0.25	0.69	0.63	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	0.00	127	127	0.01	< 0.005	0.00	127
Total	109	106	20.9	166	0.12	0.30	8.49	8.79	0.26	2.16	2.43	3,162	35,600	38,762	324	4.96	104	48,454
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.12	3.84	3.55	14.3	0.02	0.02	1.55	1.57	0.02	0.40	0.41	—	2,093	2,093	0.34	0.24	1.45	2,175
Area	15.8	15.5	0.13	16.0	< 0.005	0.03	—	0.03	0.02	—	0.02	—	59.6	59.6	< 0.005	< 0.005	—	59.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	3,168	3,168	0.40	0.05	—	3,192
Water	—	—	—	—	—	—	—	—	—	—	—	214	552	767	22.0	0.53	—	1,476
Waste	—	—	—	—	—	—	—	—	—	—	—	309	0.00	309	30.9	0.00	—	1,082
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.8	15.8
Stationary	0.05	0.05	0.13	0.12	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	20.9	20.9	< 0.005	< 0.005	0.00	21.0
Total	19.9	19.4	3.81	30.4	0.02	0.06	1.55	1.60	0.05	0.40	0.44	524	5,894	6,417	53.7	0.82	17.2	8,022

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.49	0.20	4.29	3.59	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,559	1,559	0.28	0.25	2.28	1,642
Unrefrigerated Warehouse-No Rail	0.95	0.39	8.23	6.87	0.03	0.04	0.79	0.83	0.03	0.21	0.25	—	2,993	2,993	0.53	0.47	4.37	3,151
City Park	0.61	0.59	0.24	1.74	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.06	—	265	265	0.03	0.02	0.46	273
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	15.8	15.4	3.50	48.2	0.06	0.04	5.78	5.82	0.04	1.46	1.50	—	6,313	6,313	0.77	0.47	10.0	6,482
Hospital	1.94	1.87	0.74	5.47	0.01	0.01	0.67	0.67	0.01	0.17	0.18	—	833	833	0.11	0.07	1.45	859
Strip Mall	0.70	0.67	0.27	2.02	< 0.005	< 0.005	0.25	0.26	< 0.005	0.06	0.07	—	315	315	0.04	0.03	0.55	324
Fast Food Restaurant with Drive Thru	5.68	5.49	2.01	13.9	0.02	0.01	1.22	1.23	0.01	0.31	0.32	—	1,675	1,675	0.29	0.19	2.64	1,742
Manufacturing	0.16	0.07	1.39	1.16	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	507	507	0.09	0.08	0.74	534

Total	26.4	24.7	20.7	83.0	0.14	0.12	9.48	9.60	0.12	2.42	2.53	—	14,459	14,459	2.14	1.58	22.5	15,007
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.47	0.18	4.51	3.68	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,567	1,567	0.27	0.25	0.06	1,648
Unrefrigerated Warehouse-No Rail	0.90	0.35	8.65	7.04	0.03	0.04	0.79	0.83	0.03	0.21	0.25	—	3,008	3,008	0.53	0.47	0.11	3,162
City Park	0.58	0.55	0.25	1.77	< 0.005	< 0.005	0.21	0.21	< 0.005	0.05	0.06	—	251	251	0.04	0.02	0.01	259
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	15.0	14.6	3.77	49.0	0.06	0.04	5.78	5.82	0.04	1.46	1.50	—	5,896	5,896	0.87	0.49	0.26	6,064
Hospital	1.82	1.74	0.79	5.57	0.01	0.01	0.67	0.67	0.01	0.17	0.18	—	790	790	0.12	0.08	0.04	816
Strip Mall	0.66	0.63	0.29	2.04	< 0.005	< 0.005	0.25	0.26	< 0.005	0.06	0.07	—	298	298	0.04	0.03	0.01	308
Fast Food Restaurant with Drive Thru	5.33	5.13	2.13	14.7	0.02	0.01	1.22	1.23	0.01	0.31	0.32	—	1,598	1,598	0.33	0.20	0.07	1,665
Manufacturing	0.15	0.06	1.47	1.19	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	510	510	0.09	0.08	0.02	536
Total	25.0	23.2	21.9	85.0	0.13	0.13	9.48	9.60	0.12	2.42	2.54	—	13,918	13,918	2.29	1.62	0.58	14,457
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	0.08	0.03	0.77	0.63	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	247	247	0.04	0.04	0.16	259
Unrefrigerated Warehouse-No Rail	0.14	0.06	1.30	1.06	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	416	416	0.07	0.07	0.26	438
City Park	0.05	0.05	0.02	0.16	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	20.3	20.3	< 0.005	< 0.005	0.02	21.0
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	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	2.41	2.34	0.62	8.10	0.01	0.01	0.93	0.94	0.01	0.23	0.24	—	880	880	0.13	0.07	0.64	906
Hospital	0.33	0.31	0.14	1.02	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	131	131	0.02	0.01	0.10	136
Strip Mall	0.12	0.11	0.05	0.38	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	49.7	49.7	0.01	< 0.005	0.04	51.3
Fast Food Restaurant with Drive Thru	0.96	0.92	0.39	2.71	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	266	266	0.05	0.03	0.19	278
Manufacturing	0.03	0.01	0.26	0.21	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	82.5	82.5	0.01	0.01	0.05	86.7
Total	4.12	3.84	3.55	14.3	0.02	0.02	1.55	1.57	0.02	0.40	0.41	—	2,093	2,093	0.34	0.24	1.45	2,175

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	9,689	9,689	1.23	0.15	—	9,763
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,288	6,288	0.80	0.10	—	6,336
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	816	816	0.10	0.01	—	822
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	738	738	0.09	0.01	—	744
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	125	125	0.02	< 0.005	—	126
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	1,443	1,443	0.18	0.02	—	1,454
Total	—	—	—	—	—	—	—	—	—	—	—	—	19,133	19,133	2.42	0.29	—	19,281

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	9,689	9,689	1.23	0.15	—	9,763
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6,288	6,288	0.80	0.10	—	6,336
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	816	816	0.10	0.01	—	822
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	738	738	0.09	0.01	—	744
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	125	125	0.02	< 0.005	—	126
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	1,443	1,443	0.18	0.02	—	1,454
Total	—	—	—	—	—	—	—	—	—	—	—	—	19,133	19,133	2.42	0.29	—	19,281
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,604	1,604	0.20	0.02	—	1,616

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,041	1,041	0.13	0.02	—	1,049
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.02	< 0.005	—	136
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.02	< 0.005	—	123
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	5.75	5.75	< 0.005	< 0.005	—	5.80
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	20.7	20.7	< 0.005	< 0.005	—	20.9
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	239	239	0.03	< 0.005	—	241
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,168	3,168	0.40	0.05	—	3,192

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Unrefrig Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Manufacturing	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Manufacturing	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hospital	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Manufacturing	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. 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	63.1	63.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.64	7.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	22.8	21.0	1.08	128	0.01	0.23	—	0.23	0.17	—	0.17	—	526	526	0.02	< 0.005	—	528
Total	93.5	91.7	1.08	128	0.01	0.23	—	0.23	0.17	—	0.17	—	526	526	0.02	< 0.005	—	528
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	63.1	63.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	7.64	7.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	70.7	70.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.5	11.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.85	2.63	0.13	16.0	< 0.005	0.03	—	0.03	0.02	—	0.02	—	59.6	59.6	< 0.005	< 0.005	—	59.8
Total	15.8	15.5	0.13	16.0	< 0.005	0.03	—	0.03	0.02	—	0.02	—	59.6	59.6	< 0.005	< 0.005	—	59.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	344	925	1,269	35.4	0.85	—	2,409
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	844	2,143	2,987	86.8	2.09	—	5,781
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	8.42	21.4	29.8	0.87	0.02	—	57.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	1.80	2.51	0.07	< 0.005	—	4.86
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	7.38	10.3	0.30	0.01	—	19.9
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	93.8	238	332	9.65	0.23	—	642
Total	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	344	925	1,269	35.4	0.85	—	2,409
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	844	2,143	2,987	86.8	2.09	—	5,781
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	8.42	21.4	29.8	0.87	0.02	—	57.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.71	1.80	2.51	0.07	< 0.005	—	4.86
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	7.38	10.3	0.30	0.01	—	19.9
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	93.8	238	332	9.65	0.23	—	642
Total	—	—	—	—	—	—	—	—	—	—	—	1,294	3,337	4,631	133	3.20	—	8,915
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	57.0	153	210	5.86	0.14	—	399

Unrefrig Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	140	355	495	14.4	0.35	—	957
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	1.39	3.54	4.93	0.14	< 0.005	—	9.54
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.12	0.30	0.42	0.01	< 0.005	—	0.80
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	1.22	1.70	0.05	< 0.005	—	3.30
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	15.5	39.4	55.0	1.60	0.04	—	106
Total	—	—	—	—	—	—	—	—	—	—	—	214	552	767	22.0	0.53	—	1,476

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industria Park	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	51.9	0.00	—	1,817
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	965	0.00	965	96.5	0.00	—	3,377
City Park	—	—	—	—	—	—	—	—	—	—	—	4.29	0.00	4.29	0.43	0.00	—	15.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20.4	0.00	—	713
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.83	0.00	2.83	0.28	0.00	—	9.90
Fast Food Restaura nt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
Manufac turing	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	495
Total	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industria l Park	—	—	—	—	—	—	—	—	—	—	—	519	0.00	519	51.9	0.00	—	1,817

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	965	0.00	965	96.5	0.00	—	3,377
City Park	—	—	—	—	—	—	—	—	—	—	—	4.29	0.00	4.29	0.43	0.00	—	15.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	204	0.00	204	20.4	0.00	—	713
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.83	0.00	2.83	0.28	0.00	—	9.90
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	495
Total	—	—	—	—	—	—	—	—	—	—	—	1,868	0.00	1,868	187	0.00	—	6,535
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	86.0	0.00	86.0	8.59	0.00	—	301
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	559
City Park	—	—	—	—	—	—	—	—	—	—	—	0.71	0.00	0.71	0.07	0.00	—	2.48

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	33.7	0.00	33.7	3.37	0.00	—	118
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.47	0.00	0.47	0.05	0.00	—	1.64
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.34	0.00	—	81.9
Total	—	—	—	—	—	—	—	—	—	—	—	309	0.00	309	30.9	0.00	—	1,082

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72.6	72.6
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.81	2.81
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.8	19.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72.6	72.6
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.81	2.81
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.8	19.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	95.3	95.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12.0	12.0

City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Hospital	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.47	0.47
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.28	3.28
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.8	15.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Total	1.98	1.80	5.05	4.60	0.01	0.27	0.00	0.27	0.27	0.00	0.27	0.00	923	923	0.04	0.01	0.00	927
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.05	0.05	0.13	0.12	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	20.9	20.9	< 0.005	< 0.005	0.00	21.0
Total	0.05	0.05	0.13	0.12	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	20.9	20.9	< 0.005	< 0.005	0.00	21.0

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

5.9. 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
Industrial Park	376	342	287	130,863	470	427	359	163,579
Unrefrigerated Warehouse-No Rail	553	187	168	162,533	691	233	210	203,166
Unrefrigerated Warehouse-No Rail	168	136	135	57,986	210	170	168	72,482
City Park	72.0	212	239	42,285	90.0	265	299	52,856

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	6,607	4,274	3,936	2,150,647	8,292	5,365	4,940	2,699,116
Hospital	753	743	740	273,659	941	929	925	342,073
Strip Mall	272	272	269	99,126	359	358	355	130,729
Fast Food Restaurant with Drive Thru	2,241	2,243	2,241	818,046	1,718	1,719	1,718	627,004
Manufacturing	122	117	109	43,625	152	147	137	54,531

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	4,408,500	1,469,500	136,260

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)
Industrial Park	13,560,117	261	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,866,677	261	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	2,933,338	261	0.0330	0.0040	0.00
City Park	0.00	261	0.0330	0.0040	0.00
Parking Lot	1,141,895	261	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00
User Defined Industrial	0.00	261	0.0330	0.0040	0.00
Hospital	1,033,091	261	0.0330	0.0040	0.00
Strip Mall	48,642	261	0.0330	0.0040	0.00
Fast Food Restaurant with Drive Thru	175,333	261	0.0330	0.0040	0.00
Manufacturing	2,019,136	261	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)
Industrial Park	179,681,250	13,502,286
Unrefrigerated Warehouse-No Rail	293,733,750	0.00
Unrefrigerated Warehouse-No Rail	146,866,875	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

Hospital	4,391,819	0.00
Strip Mall	370,363	0.00
Fast Food Restaurant with Drive Thru	1,517,669	0.00
Manufacturing	48,955,625	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	963	—
Unrefrigerated Warehouse-No Rail	1,194	—
Unrefrigerated Warehouse-No Rail	597	—
City Park	7.95	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
Hospital	378	—
Strip Mall	5.25	—
Fast Food Restaurant with Drive Thru	57.6	—
Manufacturing	263	—

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
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0

City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hospital	Chillers	R-134a	1,430	< 0.005	2.00	2.00	23.0
Hospital	Household refrigerators and/or freezers	R-134a	1,430	< 0.005	0.60	0.00	1.00
Hospital	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Hospital	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Manufacturing	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0

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
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73
Fire Pump	Diesel	1.00	1.00	50.0	220	0.73

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	19.8	annual days of extreme heat
Extreme Precipitation	3.10	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.78	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	77.1
AQ-PM	93.4
AQ-DPM	57.1
Drinking Water	100.0
Lead Risk Housing	17.5
Pesticides	84.9
Toxic Releases	67.6
Traffic	18.1
Effect Indicators	—
CleanUp Sites	80.3
Groundwater	98.1
Haz Waste Facilities/Generators	86.6
Impaired Water Bodies	87.0
Solid Waste	98.9
Sensitive Population	—
Asthma	16.5
Cardio-vascular	29.1
Low Birth Weights	49.0
Socioeconomic Factor Indicators	—
Education	52.9
Housing	59.3
Linguistic	68.9
Poverty	35.4
Unemployment	36.4

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	73.60451687
Employed	6.274862056
Median HI	76.55588349
Education	—
Bachelor's or higher	64.85307327
High school enrollment	100
Preschool enrollment	66.93186193
Transportation	—
Auto Access	63.41588605
Active commuting	24.5989991
Social	—
2-parent households	66.95752598
Voting	70.69164635
Neighborhood	—
Alcohol availability	97.0101373
Park access	52.77813422
Retail density	10.02181445
Supermarket access	6.557166688
Tree canopy	8.238162453
Housing	—
Homeownership	60.78532016
Housing habitability	61.41408957
Low-inc homeowner severe housing cost burden	71.53856025
Low-inc renter severe housing cost burden	18.38829719

Uncrowded housing	64.30129603
Health Outcomes	—
Insured adults	73.78416528
Arthritis	95.7
Asthma ER Admissions	84.6
High Blood Pressure	97.7
Cancer (excluding skin)	89.7
Asthma	34.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	94.6
Diagnosed Diabetes	96.0
Life Expectancy at Birth	75.7
Cognitively Disabled	56.3
Physically Disabled	69.8
Heart Attack ER Admissions	68.4
Mental Health Not Good	54.9
Chronic Kidney Disease	97.1
Obesity	68.0
Pedestrian Injuries	19.6
Physical Health Not Good	86.2
Stroke	97.8
Health Risk Behaviors	—
Binge Drinking	28.2
Current Smoker	59.6
No Leisure Time for Physical Activity	76.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	9.0
Elderly	91.7
English Speaking	35.1
Foreign-born	48.1
Outdoor Workers	88.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.1
Traffic Density	21.6
Traffic Access	23.0
Other Indices	—
Hardship	45.2
Other Decision Support	—
2016 Voting	74.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72.0
Healthy Places Index Score for Project Location (b)	55.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
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	Construction schedule provided by Project team.
Construction: Off-Road Equipment	Construction equipment list provided by Project team.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113 limits
Operations: Vehicle Data	Trip gen based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not use natural gas.
Operations: Refrigerants	Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.11:

AERMOD MODEL OUTPUTS – CONSTRUCTION

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** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 12/17/2025
** File: C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Cons LST Ph1\16285 Cons LST Ph1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24
   URBANOPT 2195611 San_Bernardino_County
   POLLUTID OTHER
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "16285 Cons LST Ph1.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     442724.884  3761568.312      208.400
   LOCATION VOL2         VOLUME     442725.108  3761339.529      206.170
   LOCATION VOL3         VOLUME     442726.822  3761455.137      207.820
   LOCATION VOL4         VOLUME     442064.067  3761569.196      208.530
   LOCATION VOL5         VOLUME     442065.533  3761456.437      207.340
   LOCATION VOL6         VOLUME     442064.067  3761340.386      206.890
   LOCATION VOL7         VOLUME     442181.529  3761339.529      206.580
   LOCATION VOL8         VOLUME     442297.275  3761338.671      206.150
   LOCATION VOL9         VOLUME     442413.879  3761339.529      207.130
   LOCATION VOL10        VOLUME     442531.340  3761339.529      207.060
   LOCATION VOL11        VOLUME     442645.371  3761340.386      206.710
   LOCATION VOL12        VOLUME     442608.781  3761568.670      208.770
   LOCATION VOL13        VOLUME     442493.145  3761569.279      208.570
   LOCATION VOL14        VOLUME     442378.615  3761569.887      207.370
   LOCATION VOL15        VOLUME     442270.171  3761567.481      208.170
   LOCATION VOL16        VOLUME     442179.620  3761568.643      208.510
   LOCATION VOL17        VOLUME     442182.137  3761455.081      207.250
   LOCATION VOL18        VOLUME     442297.275  3761452.869      206.970
   LOCATION VOL19        VOLUME     442414.238  3761454.584      207.750
   LOCATION VOL20        VOLUME     442515.907  3761453.864      207.710
   LOCATION VOL21        VOLUME     442623.079  3761453.367      207.640
   LOCATION VOL22        VOLUME     442724.553  3761682.434      209.880
   LOCATION VOL23        VOLUME     442608.449  3761682.793      209.640
   LOCATION VOL24        VOLUME     442492.813  3761683.401      209.390
   LOCATION VOL25        VOLUME     442378.284  3761684.010      209.130
   LOCATION VOL26        VOLUME     442269.839  3761681.604      207.970
   LOCATION VOL27        VOLUME     442179.288  3761682.765      208.800
   LOCATION VOL28        VOLUME     442063.736  3761683.318      208.490
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   LOCATION VOL29        VOLUME     442723.944  3761763.968      210.450
   LOCATION VOL30        VOLUME     442608.449  3761765.544      210.170
   LOCATION VOL31        VOLUME     442494.030  3761764.935      209.830
   LOCATION VOL32        VOLUME     442377.675  3761762.502      209.290
   LOCATION PAREA1       AREAPOLY   442780.040  3761822.184      210.310
** Source Parameters **
   SRCPARAM VOL1              1.0     5.000    26.719     1.400
   SRCPARAM VOL2              1.0     5.000    26.719     1.400
   SRCPARAM VOL3              1.0     5.000    26.719     1.400
   SRCPARAM VOL4              1.0     5.000    26.719     1.400
   SRCPARAM VOL5              1.0     5.000    26.719     1.400
   SRCPARAM VOL6              1.0     5.000    26.719     1.400
   SRCPARAM VOL7              1.0     5.000    26.719     1.400
   SRCPARAM VOL8              1.0     5.000    26.719     1.400
   SRCPARAM VOL9              1.0     5.000    26.719     1.400
   SRCPARAM VOL10             1.0     5.000    26.719     1.400
   SRCPARAM VOL11             1.0     5.000    26.719     1.400
   SRCPARAM VOL12             1.0     5.000    26.719     1.400
   SRCPARAM VOL13             1.0     5.000    26.719     1.400
   SRCPARAM VOL14             1.0     5.000    26.719     1.400
   SRCPARAM VOL15             1.0     5.000    26.719     1.400
   SRCPARAM VOL16             1.0     5.000    26.719     1.400
   SRCPARAM VOL17             1.0     5.000    26.719     1.400
   SRCPARAM VOL18             1.0     5.000    26.719     1.400
   SRCPARAM VOL19             1.0     5.000    26.719     1.400
   SRCPARAM VOL20             1.0     5.000    26.719     1.400
   SRCPARAM VOL21             1.0     5.000    26.719     1.400
   SRCPARAM VOL22             1.0     5.000    26.719     1.400
   SRCPARAM VOL23             1.0     5.000    26.719     1.400
   SRCPARAM VOL24             1.0     5.000    26.719     1.400
   SRCPARAM VOL25             1.0     5.000    26.719     1.400
   SRCPARAM VOL26             1.0     5.000    26.719     1.400
   SRCPARAM VOL27             1.0     5.000    26.719     1.400
   SRCPARAM VOL28             1.0     5.000    26.719     1.400
   SRCPARAM VOL29             1.0     5.000    26.719     1.400
   SRCPARAM VOL30             1.0     5.000    26.719     1.400
   SRCPARAM VOL31             1.0     5.000    26.719     1.400
   SRCPARAM VOL32             1.0     5.000    26.719     1.400
   SRCPARAM PAREA1       2.5926E-06     0.000        11     1.000
   AREAVERT PAREA1       442780.040 3761822.184 442780.040 3761294.137
   AREAVERT PAREA1       442770.776 3761285.715 442007.761 3761284.873
   AREAVERT PAREA1       442005.234 3761740.493 442299.155 3761739.651
   AREAVERT PAREA1       442334.527 3761750.599 442369.056 3761772.496
   AREAVERT PAREA1       442396.848 3761806.183 442430.535 3761823.026
   AREAVERT PAREA1       442481.066 3761824.711
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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462      EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
463      EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
464      EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
465   ** Saturday:
466      EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
467      EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
468      EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
469      EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
470   ** Sunday:
471      EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
472      EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
473      EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
474      EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
475   ** WeekDays:
476      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
477      EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
478      EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
479      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
480   ** Saturday:
481      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
482      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
483      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
484      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
485   ** Sunday:
486      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
487      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
488      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
489      EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
490   ** WeekDays:
491      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
492      EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
493      EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
494      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
495   ** Saturday:
496      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
497      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
498      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
499      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
500   ** Sunday:
501      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
502      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
503      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
504      EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
505   ** WeekDays:
506      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
507      EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
508      EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
509      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
510   ** Saturday:
511      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
512      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
513      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
514      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
515   ** Sunday:
516      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
517      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
518      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
519      EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
520   ** WeekDays:
521      EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
522      EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
523      EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
524      EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
525   ** Saturday:
526      EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
527      EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Exh      VOL1 VOL2 VOL3 VOL4 VOL5 VOL6 VOL7 VOL8 VOL9 VOL10
   SRCGROUP Exh      VOL11 VOL12 VOL13 VOL14 VOL15 VOL16 VOL17 VOL18 VOL19
   SRCGROUP Exh      VOL20 VOL21 VOL22 VOL23 VOL24 VOL25 VOL26 VOL27 VOL28
   SRCGROUP Exh      VOL29 VOL30 VOL31 VOL32
   SRCGROUP Dust     PAREA1
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
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**
**
RE STARTING
   INCLUDED "16285 Cons LST Ph1.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KCNO_V11_trimmed.sfc
   PROFFILE KCNO_V11_trimmed.PFL
   SURFDATA 3179 2017
   UAIRDATA 3190 2017
   PROFBASE 191.07 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
   PLOTFILE 1 Exh 1ST "16285 CONS LST PH1.AD\Exh 1hr.PLT" 31
   PLOTFILE 8 Exh 1ST "16285 CONS LST PH1.AD\Exh 8hr.PLT" 32
   PLOTFILE 24 Exh 1ST "16285 CONS LST PH1.AD\Exh 24hr.PLT" 33
   PLOTFILE 24 Dust 1ST "16285 CONS LST PH1.AD\Dust 24hr.PLT" 34
   SUMMFILE "16285 Cons LST Ph1.sum"
OU FINISHED


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

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

```
660
661   A Total of            0 Fatal Error Message(s)
662   A Total of            2 Warning Message(s)
663   A Total of            0 Informational Message(s)
664
665
666      ******** FATAL ERROR MESSAGES ********
667                ***  NONE  ***
668
669
670      ********   WARNING MESSAGES   ********
671   ME W186     636       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
      used           0.50
672   ME W187     636       MEOPEN: ADJ_U* Option for Stable Low Winds used in
      AERMET
673
674   ***********************************
675   *** SETUP Finishes Successfully ***
676   ***********************************
677
678   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
679    *** AERMET - VERSION  22112 ***
       ***                                                                  ***
       10:39:10
680
                                  PAGE   1
681   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
682
683                                              ***     MODEL SETUP OPTIONS SUMMARY       ***
684   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - -
685
686   ** Model Options Selected:
687        * Model Uses Regulatory DEFAULT Options
688        * Model Is Setup For Calculation of Average CONCentration Values.
689        * NO GAS DEPOSITION Data Provided.
690        * NO PARTICLE DEPOSITION Data Provided.
691        * Model Uses NO DRY DEPLETION. DDPLETE  =  F
692        * Model Uses NO WET DEPLETION. WETDPLT  =  F
693        * Stack-tip Downwash.
694        * Model Accounts for ELEVated Terrain Effects.
695        * Use Calms Processing Routine.
696        * Use Missing Data Processing Routine.
697        * No Exponential Decay.
698        * Model Uses URBAN Dispersion Algorithm for the SBL for    33 Source(s),
699          for Total of    1 Urban Area(s):
700     Urban Population =   2195611.0 ;  Urban Roughness Length =  1.000 m
701        * Urban Roughness Length of 1.0 Meter Used.
702        * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
703        * CCVR_Sub - Meteorological data includes CCVR substitutions
704        * TEMP_Sub - Meteorological data includes TEMP substitutions
705        * Model Accepts FLAGPOLE Receptor . Heights.
706        * The User Specified a Pollutant Type of: OTHER
707
708   **Model Calculates  3 Short Term Average(s) of:   1-HR   8-HR  24-HR
709
710   **This Run Includes:     33 Source(s);       2 Source Group(s); and     108 Receptor(s)
711
712                  with:      0 POINT(s), including
713                             0 POINTCAP(s) and      0 POINTHOR(s)
714                    and:     32 VOLUME source(s)
715                    and:      1 AREA type source(s)
716                    and:      0 LINE source(s)
717                    and:      0 RLINE/RLINEXT source(s)
718                    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:  22112

 **Output Options Selected:
          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) =   191.07 ;  Decay Coef.
    =    0.000     ;  Rot. Angle =     0.0
                   Emission Units = GRAMS/SEC                                ;  Emission
                   Rate Unit Factor =   0.10000E+07
                   Output Units   = MICROGRAMS/M**3

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

 **Input Runstream File:
 aermod.inp

 **Output Print File:
 aermod.out


 **Detailed Error/Message File:   16285 Cons LST
 Ph1.err
 **File for Summary of Results:   16285 Cons LST
 Ph1.sum
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 10:39:10

                              PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 VOL1             0   0.10000E+01  442724.9 3761568.3   208.4     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL2             0   0.10000E+01  442725.1 3761339.5   206.2     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL3             0   0.10000E+01  442726.8 3761455.1   207.8     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL4             0   0.10000E+01  442064.1 3761569.2   208.5     5.00    26.72
```

```
      1.40     YES   HRDOW            NO
764   VOL5             0   0.10000E+01  442065.5 3761456.4   207.3     5.00    26.72
      1.40     YES   HRDOW            NO
765   VOL6             0   0.10000E+01  442064.1 3761340.4   206.9     5.00    26.72
      1.40     YES   HRDOW            NO
766   VOL7             0   0.10000E+01  442181.5 3761339.5   206.6     5.00    26.72
      1.40     YES   HRDOW            NO
767   VOL8             0   0.10000E+01  442297.3 3761338.7   206.2     5.00    26.72
      1.40     YES   HRDOW            NO
768   VOL9             0   0.10000E+01  442413.9 3761339.5   207.1     5.00    26.72
      1.40     YES   HRDOW            NO
769   VOL10            0   0.10000E+01  442531.3 3761339.5   207.1     5.00    26.72
      1.40     YES   HRDOW            NO
770   VOL11            0   0.10000E+01  442645.4 3761340.4   206.7     5.00    26.72
      1.40     YES   HRDOW            NO
771   VOL12            0   0.10000E+01  442608.8 3761568.7   208.8     5.00    26.72
      1.40     YES   HRDOW            NO
772   VOL13            0   0.10000E+01  442493.1 3761569.3   208.6     5.00    26.72
      1.40     YES   HRDOW            NO
773   VOL14            0   0.10000E+01  442378.6 3761569.9   207.4     5.00    26.72
      1.40     YES   HRDOW            NO
774   VOL15            0   0.10000E+01  442270.2 3761567.5   208.2     5.00    26.72
      1.40     YES   HRDOW            NO
775   VOL16            0   0.10000E+01  442179.6 3761568.6   208.5     5.00    26.72
      1.40     YES   HRDOW            NO
776   VOL17            0   0.10000E+01  442182.1 3761455.1   207.2     5.00    26.72
      1.40     YES   HRDOW            NO
777   VOL18            0   0.10000E+01  442297.3 3761452.9   207.0     5.00    26.72
      1.40     YES   HRDOW            NO
778   VOL19            0   0.10000E+01  442414.2 3761454.6   207.8     5.00    26.72
      1.40     YES   HRDOW            NO
779   VOL20            0   0.10000E+01  442515.9 3761453.9   207.7     5.00    26.72
      1.40     YES   HRDOW            NO
780   VOL21            0   0.10000E+01  442623.1 3761453.4   207.6     5.00    26.72
      1.40     YES   HRDOW            NO
781   VOL22            0   0.10000E+01  442724.6 3761682.4   209.9     5.00    26.72
      1.40     YES   HRDOW            NO
782   VOL23            0   0.10000E+01  442608.4 3761682.8   209.6     5.00    26.72
      1.40     YES   HRDOW            NO
783   VOL24            0   0.10000E+01  442492.8 3761683.4   209.4     5.00    26.72
      1.40     YES   HRDOW            NO
784   VOL25            0   0.10000E+01  442378.3 3761684.0   209.1     5.00    26.72
      1.40     YES   HRDOW            NO
785   VOL26            0   0.10000E+01  442269.8 3761681.6   208.0     5.00    26.72
      1.40     YES   HRDOW            NO
786   VOL27            0   0.10000E+01  442179.3 3761682.8   208.8     5.00    26.72
      1.40     YES   HRDOW            NO
787   VOL28            0   0.10000E+01  442063.7 3761683.3   208.5     5.00    26.72
      1.40     YES   HRDOW            NO
788   VOL29            0   0.10000E+01  442723.9 3761764.0   210.5     5.00    26.72
      1.40     YES   HRDOW            NO
789   VOL30            0   0.10000E+01  442608.4 3761765.5   210.2     5.00    26.72
      1.40     YES   HRDOW            NO
790   VOL31            0   0.10000E+01  442494.0 3761764.9   209.8     5.00    26.72
      1.40     YES   HRDOW            NO
791   VOL32            0   0.10000E+01  442377.7 3761762.5   209.3     5.00    26.72
      1.40     YES   HRDOW            NO
792   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
793    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
794
                                    PAGE   3
795    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
796
```

```
                                                   *** AREAPOLY SOURCE DATA ***

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

 PAREA1           0   0.25926E-05  442780.0 3761822.2   210.3     0.00      11
 1.00     YES   HRDOW            NO
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 10:39:10

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


                                              *** SOURCE IDs DEFINING SOURCE GROUPS ***

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


  EXH        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
  VOL6        , VOL7        , VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
             VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
             VOL22       , VOL23       , VOL24       ,

             VOL25       , VOL26       , VOL27       , VOL28       , VOL29       ,
             VOL30       , VOL31       , VOL32       ,

  DUST       PAREA1      ,
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 10:39:10

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


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

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


              2195611.   VOL1        , VOL2        , VOL3        , VOL4        ,
              VOL5        , VOL6        , VOL7        ,
 VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
             VOL14       , VOL15       , VOL16       ,
```

```
844              VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
                 VOL22       , VOL23       , VOL24       ,
845
846              VOL25       , VOL26       , VOL27       , VOL28       , VOL29       ,
                 VOL30       , VOL31       , VOL32       ,
847
848              PAREA1      ,
849  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
850   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      10:39:10
851
                                  PAGE   6
852   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
853
854                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                      WEEK (HRDOW) *
855
856   SOURCE ID = VOL1         ; SOURCE TYPE = VOLUME   :
857    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
858   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
859                                                DAY OF WEEK = WEEKDAY
860      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
861      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
         .1000E+01   15  .1000E+01   16  .1000E+01
862     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
863                                                DAY OF WEEK = SATURDAY
864      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
865      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
866     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
867                                                DAY OF WEEK = SUNDAY
868      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
869      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
870     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
871  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
872   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      10:39:10
873
                                  PAGE   7
874   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
875
876                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                      WEEK (HRDOW) *
877
878   SOURCE ID = VOL2         ; SOURCE TYPE = VOLUME   :
879    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
880   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
881                                                DAY OF WEEK = WEEKDAY
882      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
883      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

```
      .1000E+01   15  .1000E+01   16  .1000E+01
884    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
885                                              DAY OF WEEK = SATURDAY
886     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
887     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
888    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
889                                              DAY OF WEEK = SUNDAY
890     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
891     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
892    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
893  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
    Eucalyptus BP\16285 Ops H ***        12/17/25
894     *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
895
                                  PAGE   8
896     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
897
898                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
899
900     SOURCE ID = VOL3          ; SOURCE TYPE = VOLUME   :
901      HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
902     - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - -
903                                              DAY OF WEEK = WEEKDAY
904      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
905      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
906     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
907                                              DAY OF WEEK = SATURDAY
908      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
909      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
910     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
911                                              DAY OF WEEK = SUNDAY
912      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
913      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
914     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
915  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
    Eucalyptus BP\16285 Ops H ***        12/17/25
916     *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
917
                                  PAGE   9
918     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
919
920                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
```

```
 SOURCE ID = VOL4         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 10:39:10

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

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

 SOURCE ID = VOL5         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
```

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

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

```
998      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
999                                              DAY OF WEEK = SUNDAY
1000      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1001      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1002     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
1003  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
1004   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
1005
                                  PAGE  13
1006   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1007
1008                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
1009
1010   SOURCE ID = VOL8         ; SOURCE TYPE = VOLUME   :
1011    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
1012   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
1013                                             DAY OF WEEK = WEEKDAY
1014      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1015      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
1016     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
1017                                             DAY OF WEEK = SATURDAY
1018      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1019      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1020     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
1021                                             DAY OF WEEK = SUNDAY
1022      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1023      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1024     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
1025  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
1026   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
1027
                                  PAGE  14
1028   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1029
1030                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
1031
1032   SOURCE ID = VOL9         ; SOURCE TYPE = VOLUME   :
1033    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
1034   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
1035                                             DAY OF WEEK = WEEKDAY
1036      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 10:39:10

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

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

 SOURCE ID = VOL10        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 10:39:10

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

```
1074                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1075
1076    SOURCE ID = VOL11        ; SOURCE TYPE = VOLUME   :
1077     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1078    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1079                                                DAY OF WEEK = WEEKDAY
1080       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1081       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1082      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1083                                                DAY OF WEEK = SATURDAY
1084       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1085       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1086      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1087                                                DAY OF WEEK = SUNDAY
1088       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1089       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1090      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1091    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
        Eucalyptus BP\16285 Ops H ***        12/17/25
1092     *** AERMET - VERSION  22112 ***
         ***                                                                    ***
         10:39:10
1093
                                  PAGE  17
1094    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1095
1096                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1097
1098    SOURCE ID = VOL12        ; SOURCE TYPE = VOLUME   :
1099     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1100    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1101                                                DAY OF WEEK = WEEKDAY
1102       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1103       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1104      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1105                                                DAY OF WEEK = SATURDAY
1106       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1107       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1108      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1109                                                DAY OF WEEK = SUNDAY
1110       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1111       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1112      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

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      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 10:39:10

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

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

 SOURCE ID = VOL13        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -

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

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

                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
     .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 10:39:10

                                PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL14        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -

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

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
```

```
1151       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1152      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1153                                                DAY OF WEEK = SUNDAY
1154       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1155       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1156      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1157   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/17/25
1158    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        10:39:10
1159
                                   PAGE  20
1160    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1161
1162                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1163
1164    SOURCE ID = VOL15        ; SOURCE TYPE = VOLUME   :
1165     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1166    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
1167                                                DAY OF WEEK = WEEKDAY
1168       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1169       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1170      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1171                                                DAY OF WEEK = SATURDAY
1172       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1173       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1174      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1175                                                DAY OF WEEK = SUNDAY
1176       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1177       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1178      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1179   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/17/25
1180    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        10:39:10
1181
                                   PAGE  21
1182    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1183
1184                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1185
1186    SOURCE ID = VOL16        ; SOURCE TYPE = VOLUME   :
1187     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1188    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
```

```
                                                DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
     .1000E+01   15  .1000E+01   16  .1000E+01
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
     .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
     .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 10:39:10

                              PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL17        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
     .1000E+01   15  .1000E+01   16  .1000E+01
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
     .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
     .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 10:39:10

                              PAGE  23
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   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

   SOURCE ID = VOL18        ; SOURCE TYPE = VOLUME   :
    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
    SCALAR   HOUR   SCALAR   HOUR   SCALAR
   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
   - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
   Eucalyptus BP\16285 Ops H ***        12/17/25
    *** AERMET - VERSION  22112 ***
    ***                                                                    ***
    10:39:10

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

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

   SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
    SCALAR   HOUR   SCALAR   HOUR   SCALAR
   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
   - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
```

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      .0000E+00   15  .0000E+00   16  .0000E+00
1266    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
1267  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
1268   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
1269
                                  PAGE  25
1270   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1271
1272                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1273
1274   SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
1275    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
1276   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
1277                                                DAY OF WEEK = WEEKDAY
1278      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
1279      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .1000E+01
1280    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
1281                                                DAY OF WEEK = SATURDAY
1282      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
1283      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
1284    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
1285                                                DAY OF WEEK = SUNDAY
1286      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
1287      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
1288    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
1289  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
1290   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
1291
                                  PAGE  26
1292   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1293
1294                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1295
1296   SOURCE ID = VOL21        ; SOURCE TYPE = VOLUME   :
1297    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
1298   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
1299                                                DAY OF WEEK = WEEKDAY
1300      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
1301      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .1000E+01
1302    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
1303                                                DAY OF WEEK = SATURDAY
```

```
1304       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1305       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1306      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1307                                                DAY OF WEEK = SUNDAY
1308       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1309       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1310      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1311   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/17/25
1312    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        10:39:10
1313
                                    PAGE  27
1314    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1315
1316                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1317
1318    SOURCE ID = VOL22        ; SOURCE TYPE = VOLUME   :
1319     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1320    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1321                                                DAY OF WEEK = WEEKDAY
1322       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1323       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1324      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1325                                                DAY OF WEEK = SATURDAY
1326       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1327       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1328      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1329                                                DAY OF WEEK = SUNDAY
1330       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1331       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1332      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1333   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/17/25
1334    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        10:39:10
1335
                                    PAGE  28
1336    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1337
1338                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1339
1340    SOURCE ID = VOL23        ; SOURCE TYPE = VOLUME   :
1341     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 10:39:10

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

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

 SOURCE ID = VOL24        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 10:39:10
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/17/25

*** AERMET - VERSION 22112 ***

*** ***

10:39:10

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

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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      .0000E+00    7  .0000E+00    8  .0000E+00
1419     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
1420    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
1421 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
1422  *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      10:39:10
1423
                                PAGE  32
1424  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1425
1426                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1427
1428  SOURCE ID = VOL27        ; SOURCE TYPE = VOLUME   :
1429   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
1430  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
1431                                              DAY OF WEEK = WEEKDAY
1432     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
1433     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
1434    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
1435                                              DAY OF WEEK = SATURDAY
1436     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
1437     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
1438    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
1439                                              DAY OF WEEK = SUNDAY
1440     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
1441     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
1442    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
1443 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
1444  *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      10:39:10
1445
                                PAGE  33
1446  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1447
1448                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1449
1450  SOURCE ID = VOL28        ; SOURCE TYPE = VOLUME   :
1451   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
1452  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
1453                                              DAY OF WEEK = WEEKDAY
1454     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
1455     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
1456    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
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      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 10:39:10

                              PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL29        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 10:39:10

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

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

 SOURCE ID = VOL30        ; SOURCE TYPE = VOLUME   :
```

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 10:39:10

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

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

 SOURCE ID = VOL31        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
```

PAGE 37

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

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

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF

PAGE 38

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

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

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```
                                                DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
     .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 10:39:10

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

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 440769.5, 3761316.4,     204.2,     204.2,       2.0);         ( 440885.1,
     3761233.7,     203.9,     203.9,       2.0);
     ( 440943.0, 3761237.4,     204.1,     204.1,       2.0);         ( 440769.6,
     3761295.0,     204.0,     204.0,       2.0);
     ( 441264.8, 3761237.8,     204.2,     204.2,       2.0);         ( 441396.4,
     3761228.1,     204.2,     204.2,       2.0);
     ( 441633.9, 3761229.5,     205.0,     205.0,       2.0);         ( 441839.4,
     3761231.3,     205.3,     205.3,       2.0);
     ( 442193.3, 3761092.3,     204.6,     204.6,       2.0);         ( 442736.3,
     3761091.7,     204.8,     204.8,       2.0);
     ( 442867.1, 3761089.4,     204.8,     204.8,       2.0);         ( 443107.8,
     3761253.3,     207.5,     207.5,       2.0);
     ( 443327.7, 3761050.9,     207.4,     207.4,       2.0);         ( 441881.3,
     3762001.4,     211.9,     211.9,       2.0);
     ( 440583.1, 3761320.9,     204.2,     204.2,       2.0);         ( 440579.8,
     3761299.8,     204.0,     204.0,       2.0);
     ( 440431.9, 3761496.3,     205.5,     205.5,       2.0);         ( 440335.2,
     3761292.1,     203.4,     203.4,       2.0);
     ( 440356.1, 3761232.2,     203.0,     203.0,       2.0);         ( 439969.5,
     3761230.1,     201.8,     201.8,       2.0);
     ( 439868.6, 3761297.1,     202.8,     202.8,       2.0);         ( 439865.3,
     3761245.2,     202.3,     202.3,       2.0);
     ( 440229.8, 3761288.7,     203.2,     203.2,       2.0);         ( 439957.8,
     3761363.2,     203.3,     203.3,       2.0);
     ( 439870.7, 3761572.0,     205.6,     205.6,       2.0);         ( 439930.6,
     3761556.5,     205.6,     205.6,       2.0);
     ( 439870.7, 3761839.4,     207.7,     207.7,       2.0);         ( 439924.7,
     3761957.0,     209.3,     209.3,       2.0);
     ( 439924.3, 3762099.7,     210.4,     210.4,       2.0);         ( 439863.6,
     3762112.3,     210.4,     210.4,       2.0);
     ( 439873.3, 3762554.9,     215.7,     215.7,       2.0);         ( 439874.8,
     3762661.3,     217.0,     217.0,       2.0);
     ( 439927.5, 3762571.1,     216.2,     216.2,       2.0);         ( 439942.6,
     3762649.5,     217.4,     217.4,       2.0);
     ( 439874.2, 3763087.6,     222.5,    2697.3,       2.0);         ( 439872.6,
     3763272.5,     224.9,    2697.3,       2.0);
     ( 439876.3, 3763332.4,     225.7,    2697.3,       2.0);         ( 439874.2,
     3763445.8,     226.7,    2697.3,       2.0);
     ( 439861.7, 3763702.3,     228.8,    2697.3,       2.0);         ( 439875.1,
     3763945.4,     231.1,    2697.3,       2.0);
     ( 440074.3, 3763727.0,     229.9,    2697.3,       2.0);         ( 439872.6,
     3764008.2,     231.9,    2697.3,       2.0);
     ( 439873.8, 3764196.5,     234.9,    2697.3,       2.0);         ( 439945.0,
     3764712.1,     241.3,    2697.3,       2.0);
     ( 439880.1, 3764775.7,     242.4,    2697.3,       2.0);         ( 439880.5,
     3764900.8,     244.2,    2697.3,       2.0);
```

```
1607        ( 439945.0, 3764933.9,     244.6,    2697.3,       2.0);         ( 439951.2,
            3765049.8,     246.2,    2697.3,       2.0);
1608        ( 439880.1, 3765027.6,     245.7,    2697.3,       2.0);         ( 439951.7,
            3765276.2,     249.0,    2697.3,       2.0);
1609        ( 439875.5, 3765270.8,     248.0,    2697.3,       2.0);         ( 439874.5,
            3765815.9,     254.7,    2697.3,       2.0);
1610        ( 440004.8, 3765814.7,     255.3,    2697.3,       2.0);         ( 439865.4,
            3760870.3,     198.7,     198.7,       2.0);
1611        ( 439781.4, 3760421.5,     193.4,     193.4,       2.0);         ( 439860.5,
            3760191.1,     191.6,     191.6,       2.0);
1612        ( 439923.1, 3757937.3,     174.7,     174.7,       2.0);         ( 438973.4,
            3754580.5,     178.9,     369.3,       2.0);
1613        ( 439631.1, 3762694.5,     217.3,     217.3,       2.0);         ( 442816.7,
            3761641.1,     208.8,     208.8,       2.0);
1614        ( 442840.5, 3762023.1,     212.1,     212.1,       2.0);         ( 442844.8,
            3762050.7,     212.6,     212.6,       2.0);
1615        ( 443047.8, 3762051.3,     212.7,     212.7,       2.0);         ( 443029.0,
            3762020.3,     212.2,     212.2,       2.0);
1616        ( 443122.6, 3762052.8,     212.8,     212.8,       2.0);         ( 443438.8,
            3762060.8,     214.3,     214.3,       2.0);
1617        ( 443421.5, 3762034.5,     213.9,     213.9,       2.0);         ( 443872.9,
            3762120.0,     216.1,     216.1,       2.0);
1618        ( 444355.8, 3762116.9,     217.5,     217.5,       2.0);         ( 445022.6,
            3761786.0,     213.6,     213.6,       2.0);
1619        ( 445316.7, 3762043.1,     217.2,     217.2,       2.0);         ( 445303.9,
            3761970.2,     216.4,     216.4,       2.0);
1620        ( 445607.2, 3762043.1,     218.4,     218.4,       2.0);         ( 445882.1,
            3762042.1,     218.6,     218.6,       2.0);
1621        ( 446067.7, 3761982.5,     218.7,     218.7,       2.0);         ( 446058.9,
            3762058.3,     219.7,     219.7,       2.0);
1622        ( 446255.2, 3762062.1,     219.9,     219.9,       2.0);         ( 446484.2,
            3762227.1,     221.2,     221.2,       2.0);
1623        ( 446439.9, 3762290.6,     222.0,    2697.3,       2.0);         ( 446749.2,
            3762427.5,     224.0,    2697.3,       2.0);
1624        ( 446844.3, 3762432.2,     222.5,    2697.3,       2.0);         ( 447224.7,
            3762429.5,     223.9,    2697.3,       2.0);
1625        ( 447272.4, 3762441.7,     223.6,    2697.3,       2.0);         ( 446893.4,
            3762355.1,     222.3,    2697.3,       2.0);
1626        ( 447657.6, 3762177.9,     222.7,     222.7,       2.0);         ( 439164.0,
            3762679.5,     215.5,     215.5,       2.0);
1627        ( 442309.7, 3758691.6,     188.5,     188.5,       2.0);         ( 441607.6,
            3758831.7,     186.8,     186.8,       2.0);
1628        ( 442346.3, 3758837.4,     190.3,     190.3,       2.0);         ( 442782.9,
            3758835.7,     190.9,     190.9,       2.0);
1629   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/17/25
1630    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        10:39:10
1631
                                  PAGE  40
1632    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1633
1634                                              *** DISCRETE CARTESIAN RECEPTORS ***
1635                                            (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
1636                                                        (METERS)
1637
1638        ( 443526.5, 3758833.3,     191.7,     191.7,       2.0);         ( 441007.8,
            3758832.8,     184.8,     184.8,       2.0);
1639        ( 442733.1, 3762008.7,     212.4,     212.4,       2.0);         ( 442555.0,
            3762014.4,     212.8,     212.8,       2.0);
1640        ( 442372.4, 3762032.7,     213.0,     213.0,       2.0);         ( 442471.3,
            3762020.1,     214.1,     214.1,       2.0);
1641        ( 442309.0, 3762003.2,     212.4,     212.4,       2.0);         ( 442267.2,
            3762011.9,     212.5,     212.5,       2.0);
1642        ( 442157.9, 3762010.7,     211.7,     211.7,       2.0);         ( 442023.5,
```

```
     3762012.6,     211.7,     211.7,       2.0);
1643    ( 441918.4, 3762014.9,     211.7,     211.7,       2.0);         ( 441564.9,
     3762038.2,     210.7,     210.7,       2.0);
1644    ( 441257.3, 3761984.8,     210.4,     210.4,       2.0);         ( 441170.8,
     3762020.0,     210.5,     210.5,       2.0);
1645    ( 440928.2, 3762012.3,     211.3,     211.3,       2.0);         ( 440604.7,
     3762011.0,     210.7,     210.7,       2.0);
1646    ( 440672.3, 3761517.5,     205.9,     205.9,       2.0);         ( 440866.0,
     3762003.1,     210.7,     210.7,       2.0);
1647 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
1648  *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      10:39:10
1649
                                PAGE  41
1650  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1651
1652                                          *** METEOROLOGICAL DAYS SELECTED FOR
                                              PROCESSING ***
1653                                                        (1=YES; 0=NO)
1654
1655            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1656            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1657            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1658            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1659            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1660            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1661            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1662            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1663
1664                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT
                    IS INCLUDED IN THE DATA FILE.
1665
1666
1667
1668                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
                                      CATEGORIES ***
1669                                                (METERS/SEC)
1670
1671                                                1.54,   3.09,   5.14,   8.23,  10.80,
1672 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
1673  *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      10:39:10
1674
                                PAGE  42
1675  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1676
1677                                  *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA
                                      ***
1678
1679      Surface file:
          KCNO_V11_trimmed.sfc
          Met Version:  22112
1680      Profile file:
          KCNO_V11_trimmed.PFL
1681      Surface format:
```

FREE

Profile format:
FREE

Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2017 Year: 2017

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
17	01	01	1	01	-17.3	0.174	-9.000	-9.000	-999.	175.	33.5	0.02	0.54	1.00	2.86	261.	7.9	279.2	2.0
17	01	01	1	02	-999.0	-9.000	-9.000	-999.	-999.	-99999.0	0.05	0.54	1.00	0.00	0.	7.9	279.2	2.0	
17	01	01	1	03	-18.3	0.185	-9.000	-9.000	-999.	191.	37.7	0.11	0.54	1.00	2.09	340.	7.9	279.2	2.0
17	01	01	1	04	-5.5	0.091	-9.000	-9.000	-999.	70.	12.0	0.02	0.54	1.00	1.52	89.	7.9	279.2	2.0
17	01	01	1	05	-12.5	0.150	-9.000	-9.000	-999.	139.	24.7	0.14	0.54	1.00	1.62	13.	7.9	277.5	2.0
17	01	01	1	06	-9.0	0.126	-9.000	-9.000	-999.	107.	19.4	0.12	0.54	1.00	1.43	317.	7.9	277.5	2.0
17	01	01	1	07	-3.0	0.067	-9.000	-9.000	-999.	43.	9.0	0.02	0.54	1.00	1.13	255.	7.9	277.0	2.0
17	01	01	1	08	-5.8	0.097	-9.000	-9.000	-999.	73.	14.0	0.02	0.54	0.53	1.60	93.	7.9	277.5	2.0
17	01	01	1	09	22.2	0.091	0.366	0.005	78.	66.	-3.0	0.02	0.54	0.31	0.97	35.	7.9	280.3	2.0
17	01	01	1	10	54.8	0.172	0.954	0.005	559.	172.	-8.2	0.02	0.54	0.24	2.11	70.	7.9	283.8	2.0
17	01	01	1	11	76.8	0.224	1.251	0.005	899.	254.	-12.9	0.02	0.54	0.21	2.83	99.	7.9	285.9	2.0
17	01	01	1	12	73.6	0.126	1.297	0.005	1045.	111.	-2.4	0.02	0.54	0.20	1.31	107.	7.9	285.9	2.0
17	01	01	1	13	86.2	0.147	1.404	0.005	1133.	135.	-3.3	0.02	0.54	0.20	1.60	234.	7.9	286.4	2.0
17	01	01	1	14	62.5	0.198	1.284	0.005	1194.	211.	-10.9	0.02	0.54	0.21	2.49	291.	7.9	288.1	2.0
17	01	01	1	15	42.3	0.319	1.138	0.005	1231.	433.	-67.8	0.02	0.54	0.25	4.65	247.	7.9	286.4	2.0
17	01	01	1	16	1.0	0.222	0.331	0.005	1232.	256.	-941.4	0.02	0.54	0.34	3.40	241.	7.9	286.4	2.0
17	01	01	1	17	-14.2	0.170	-9.000	-9.000	-999.	170.	31.9	0.02	0.54	0.61	2.69	233.	7.9	285.9	2.0
17	01	01	1	18	-16.2	0.167	-9.000	-9.000	-999.	164.	30.6	0.02	0.54	1.00	2.74	250.	7.9	285.3	2.0
17	01	01	1	19	-25.0	0.257	-9.000	-9.000	-999.	312.	72.6	0.02	0.54	1.00	4.14	243.	7.9	284.8	2.0
17	01	01	1	20	-22.6	0.232	-9.000	-9.000	-999.	269.	59.3	0.02	0.54	1.00	3.63	226.	7.9	284.8	2.0
17	01	01	1	21	-14.9	0.156	-9.000	-9.000	-999.	149.	26.7	0.03	0.54	1.00	2.28	151.	7.9	284.2	2.0
17	01	01	1	22	-15.7	0.169	-9.000	-9.000	-999.	167.	31.5	0.14	0.54	1.00	1.81	14.	7.9	283.8	2.0
17	01	01	1	23	-7.9	0.117	-9.000	-9.000	-999.	97.	18.1	0.11	0.54	1.00	1.37	358.	7.9	283.8	2.0
17	01	01	1	24	-7.7	0.108	-9.000	-9.000	-999.	85.	14.6	0.02	0.54	1.00	1.77	94.	7.9	282.5	2.0

First hour of profile data

```
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
17 01 01 01    7.9 1  261.    2.86   279.3   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
*** AERMET - VERSION  22112 ***
***                                                                         ***
10:39:10

                             PAGE  43
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                             FOR SOURCE GROUP:  EXH      ***
                                 INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                 VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                VOL11       , VOL12       , VOL13       ,
                VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                VOL19       , VOL20       , VOL21       ,
                VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                VOL27       , VOL28       ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF OTHER    IN
                                       MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
     Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
       440769.54   3761316.44      123.57838  (23010316)                440885.08
       3761233.72      120.51310  (21122316)
       440942.99   3761237.37      131.32820  (21122316)                440769.57
       3761294.98      121.67931  (23010316)
       441264.79   3761237.83      214.64934  (21122316)                441396.39
       3761228.15      256.28387  (21122316)
       441633.90   3761229.53      512.24173  (21122916)                441839.43
       3761231.28      937.92351  (21122916)
       442193.26   3761092.32      551.27141  (22120216)                442736.29
       3761091.73      455.20266  (21123016)
       442867.08   3761089.40      411.07523  (21123016)                443107.85
       3761253.32      411.73827  (22122916)
       443327.70   3761050.95      294.21342  (21121316)                441881.29
       3762001.44      169.59460  (22123016)
       440583.15   3761320.92      107.76166  (23010316)                440579.83
       3761299.75      106.88001  (23010316)
       440431.88   3761496.28      124.49557  (18120516)                440335.22
       3761292.06       90.39116  (23010316)
       440356.14   3761232.22       88.51284  (23010316)                439969.47
       3761230.13       71.66756  (23010316)
       439868.62   3761297.08       66.06226  (23010316)                439865.27
       3761245.19       67.66830  (23010316)
       440229.76   3761288.71       84.31133  (23010316)                439957.76
       3761363.20       67.90006  (18120516)
       439870.71   3761572.02       98.48853  (18120516)                439930.56
       3761556.53      100.14559  (18120516)
       439870.71   3761839.42       89.66936  (18120516)                439924.70
       3761957.01       69.77472  (18120516)
       439924.28   3762099.71       47.81127  (18120616)                439863.60
       3762112.26       46.24674  (18120616)
       439873.26   3762554.88       30.65844  (18011809)                439874.80
       3762661.28       30.60908  (23022710)
       439927.48   3762571.08       30.82791  (23022710)                439942.64
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          3762649.46       31.05169  (23022710)
1755      439874.24   3763087.57       34.06045  (18110609)                439872.56
          3763272.54       30.13332  (18110609)
1756      439876.33   3763332.38       29.93734  (18010809)                439874.24
          3763445.79       30.77732  (18010809)
1757      439861.68   3763702.32       28.84552  (18010809)                439875.08
          3763945.45       28.08685  (21083109)
1758      440074.27   3763727.01       29.42035  (21083109)                439872.56
          3764008.22       27.92461  (21083109)
1759      439873.82   3764196.54       27.72425  (21020109)                439944.96
          3764712.10       23.92541  (18010816)
1760      439880.10   3764775.71       23.73350  (18010816)                439880.52
          3764900.83       22.99572  (17122509)
1761      439944.96   3764933.89       23.48579  (17122509)                439951.24
          3765049.81       23.31276  (17122509)
1762      439880.10   3765027.63       23.07774  (17122509)                439951.66
          3765276.21       22.25294  (17122509)
1763      439875.49   3765270.77       22.43245  (17122509)                439874.50
          3765815.86       19.59392  (22123009)
1764      440004.83   3765814.70       21.32596  (22123009)                439865.36
          3760870.32       69.14049  (21122316)
1765      439781.42   3760421.48       60.38115  (21122316)                439860.47
          3760191.14       67.05516  (21122916)
1766      439923.10   3757937.26       21.47543  (17020609)                438973.38
          3754580.48       14.22596  (21120809)
1767      439631.09   3762694.55       28.70723  (23022710)                442816.66
          3761641.08     1182.35897  (22122916)
1768      442840.46   3762023.13      413.99768  (21122716)                442844.83
          3762050.67      389.04486  (21122716)
1769      443047.82   3762051.32      338.22364  (21122716)                443029.03
          3762020.29      372.19443  (23111516)
1770      443122.56   3762052.85      315.23686  (23111516)                443438.77
          3762060.83      152.21098  (23111516)
1771      443421.50   3762034.46      151.87896  (23111516)                443872.88
          3762119.96       98.34077  (23122116)
1772      444355.79   3762116.93       72.75398  (23122116)                445022.64
          3761785.97       34.93981  (21121315)
1773      445316.67   3762043.06       31.46695  (17053010)                445303.86
          3761970.17       30.20066  (17053010)
1774      445607.24   3762043.06       28.81071  (17053010)                445882.06
          3762042.08       26.64620  (23012509)
1775      446067.74   3761982.48       26.78195  (23012509)                446058.87
          3762058.33       25.83514  (23012509)
1776      446255.23   3762062.11       25.18614  (23012509)                446484.25
          3762227.10       25.00896  (17053010)
1777      446439.92   3762290.63       25.70137  (17053010)                446749.22
          3762427.55       24.37862  (17053010)
1778  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
1779   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
1780
                                  PAGE  44
1781   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1782
1783                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  EXH      ***
1784                                  INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
1785                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                      VOL11       , VOL12       , VOL13       ,
1786                  VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                      VOL19       , VOL20       , VOL21       ,
1787                  VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                      VOL27       , VOL28       , . . .       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
446844.30	3762432.18	24.08219	(17053010)	447224.68	3762429.46	22.75701	(17053010)
447272.39	3762441.73	22.61388	(17053010)	446893.38	3762355.15	23.84253	(17053010)
447657.60	3762177.92	20.54958	(23012509)	439164.02	3762679.50	26.72270	(18011809)
442309.67	3758691.58	24.80039	(23032912)	441607.59	3758831.67	39.10817	(22120216)
442346.32	3758837.37	25.58344	(17020612)	442782.88	3758835.74	27.59321	(17020309)
443526.49	3758833.30	30.08655	(21123016)	441007.77	3758832.80	26.45392	(23010912)
442733.11	3762008.67	420.57087	(21122716)	442555.03	3762014.43	506.43607	(22123016)
442372.42	3762032.69	496.05850	(22123016)	442471.33	3762020.14	512.68714	(22123016)
442309.05	3762003.23	555.51189	(22123016)	442267.23	3762011.88	479.79330	(22123016)
442157.88	3762010.71	395.52861	(22123016)	442023.53	3762012.58	357.88310	(22123016)
441918.37	3762014.94	245.59747	(22123016)	441564.90	3762038.22	123.78337	(23010414)
441257.28	3761984.82	103.89023	(23120516)	441170.84	3762020.05	91.91836	(23120516)
440928.18	3762012.31	68.55738	(18120616)	440604.66	3762010.98	65.98547	(18120616)
440672.33	3761517.55	152.70211	(18120516)	440866.01	3762003.09	70.45799	(18120616)

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DUST ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
440769.54	3761316.44	4.53289	(23010316)	440885.08	3761233.72	5.33652	(21122316)
440942.99	3761237.37	5.99530	(21122316)	440769.57	3761294.98	4.52453	(23010316)
441264.79	3761237.83	10.10765	(21122316)	441396.39	3761228.15	11.73311	(21122316)

1826	441633.90	3761229.53	17.79108	(21122916)	441839.43
	3761231.28	33.88893	(21122916)		
1827	442193.26	3761092.32	19.94250	(22120216)	442736.29
	3761091.73	15.35058	(21123016)		
1828	442867.08	3761089.40	16.71574	(21121316)	443107.85
	3761253.32	18.81888	(21121316)		
1829	443327.70	3761050.95	16.24721	(21121316)	441881.29
	3762001.44	6.36107	(22123016)		
1830	440583.15	3761320.92	3.99196	(23010316)	440579.83
	3761299.75	3.98329	(23010316)		
1831	440431.88	3761496.28	6.71106	(18120516)	440335.22
	3761292.06	3.51537	(23122709)		
1832	440356.14	3761232.22	3.51989	(17010509)	439969.47
	3761230.13	3.21605	(23122709)		
1833	439868.62	3761297.08	3.19097	(23122709)	439865.27
	3761245.19	3.18877	(23122709)		
1834	440229.76	3761288.71	3.44434	(23122709)	439957.76
	3761363.20	3.13022	(23122709)		
1835	439870.71	3761572.02	5.81670	(18120516)	439930.56
	3761556.53	5.82758	(18120516)		
1836	439870.71	3761839.42	4.63472	(18120516)	439924.70
	3761957.01	2.88019	(21010809)		
1837	439924.28	3762099.71	3.29601	(23120609)	439863.60
	3762112.26	3.24177	(23120609)		
1838	439873.26	3762554.88	2.97740	(17122009)	439874.80
	3762661.28	3.20052	(17122009)		
1839	439927.48	3762571.08	3.12631	(17122009)	439942.64
	3762649.46	3.25497	(17122009)		
1840	439874.24	3763087.57	2.43587	(17031009)	439872.56
	3763272.54	2.47691	(17011709)		
1841	439876.33	3763332.38	2.51925	(17011709)	439874.24
	3763445.79	2.45115	(17011709)		
1842	439861.68	3763702.32	2.44892	(18122009)	439875.08
	3763945.45	2.55824	(23011110)		
1843	440074.27	3763727.01	2.68039	(23011110)	439872.56
	3764008.22	2.53750	(23011110)		
1844	439873.82	3764196.54	2.34998	(23011110)	439944.96
	3764712.10	2.14727	(17030909)		
1845	439880.10	3764775.71	2.13822	(17030909)	439880.52
	3764900.83	2.03806	(21122009)		
1846	439944.96	3764933.89	2.06286	(21122009)	439951.24
	3765049.81	2.00317	(21122009)		
1847	439880.10	3765027.63	2.03504	(21122009)	439951.66
	3765276.21	1.87712	(17021410)		
1848	439875.49	3765270.77	1.87847	(17021410)	439874.50
	3765815.86	2.04767	(23121209)		
1849	440004.83	3765814.70	2.22417	(23121209)	439865.36
	3760870.32	3.64306	(17010509)		
1850	439781.42	3760421.48	3.29249	(17122909)	439860.47
	3760191.14	2.64322	(23120509)		
1851	439923.10	3757937.26	1.82403	(21011309)	438973.38
	3754580.48	1.43522	(17121909)		
1852	439631.09	3762694.55	2.92920	(17122009)	442816.66
	3761641.08	41.33838	(22122916)		
1853	442840.46	3762023.13	16.15202	(21122716)	442844.83
	3762050.67	15.01285	(21122716)		
1854	443047.82	3762051.32	13.54138	(21122716)	443029.03
	3762020.29	14.01766	(21122716)		
1855	443122.56	3762052.85	11.34548	(23111516)	443438.77
	3762060.83	5.35434	(23111516)		
1856	443421.50	3762034.46	5.59760	(18111916)	443872.88
	3762119.96	4.07826	(22122309)		
1857	444355.79	3762116.93	3.60579	(22122309)	445022.64
	3761785.97	3.30354	(23121109)		
1858	445316.67	3762043.06	3.18577	(23121109)	445303.86
	3761970.17	3.32292	(23121109)		

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          445607.24   3762043.06        3.11016  (23121109)                445882.06
          3762042.08        3.00337  (23121109)
          446067.74   3761982.48        2.87561  (23121109)                446058.87
          3762058.33        2.91978  (23121109)
          446255.23   3762062.11        2.83049  (23121109)                446484.25
          3762227.10        2.61849  (23121109)
          446439.92   3762290.63        2.46791  (23121109)                446749.22
          3762427.55        2.39028  (23011109)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 10:39:10

                                PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  DUST     ***
                                    INCLUDING SOURCE(S):     PAREA1      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                           ** CONC OF OTHER    IN
                                           MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
      Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
          446844.30   3762432.18        2.33512  (23011109)                447224.68
          3762429.46        2.19571  (23121109)
          447272.39   3762441.73        2.17256  (23121109)                446893.38
          3762355.15        2.34083  (23121109)
          447657.60   3762177.92        2.29476  (23121109)                439164.02
          3762679.50        2.60700  (23120609)
          442309.67   3758691.58        2.45531  (17112409)                441607.59
          3758831.67        2.24683  (17010510)
          442346.32   3758837.37        2.53204  (17112409)                442782.88
          3758835.74        2.56710  (23011111)
          443526.49   3758833.30        2.20602  (23112909)                441007.77
          3758832.80        2.34285  (17121909)
          442733.11   3762008.67       15.99149  (21122716)                442555.03
          3762014.43       17.28186  (22123016)
          442372.42   3762032.69       16.77492  (22123016)                442471.33
          3762020.14       17.63840  (22123016)
          442309.05   3762003.23       15.73373  (22123016)                442267.23
          3762011.88       13.97018  (22123016)
          442157.88   3762010.71       13.12892  (22123016)                442023.53
          3762012.58       13.07804  (22123016)
          441918.37   3762014.94       10.07207  (22123016)                441564.90
          3762038.22        4.93209  (23010414)
          441257.28   3761984.82        4.51676  (22011316)                441170.84
          3762020.05        4.23634  (17122009)
          440928.18   3762012.31        4.37649  (23120609)                440604.66
          3762010.98        4.14613  (23120609)
          440672.33   3761517.55        8.13793  (18120516)                440866.01
          3762003.09        4.39708  (23120609)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 10:39:10

                                PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: EXH ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
440769.54	3761316.44	30.36950	(17021716)	440885.08	3761233.72	30.25717	(23010316)
440942.99	3761237.37	32.08553	(23010316)	440769.57	3761294.98	29.56165	(17021716)
441264.79	3761237.83	48.73297	(23010316)	441396.39	3761228.15	61.59757	(23010316)
441633.90	3761229.53	107.95346	(23010316)	441839.43	3761231.28	194.91226	(23010316)
442193.26	3761092.32	163.09236	(22120216)	442736.29	3761091.73	136.89743	(21123016)
442867.08	3761089.40	130.48118	(23121316)	443107.85	3761253.32	105.13762	(22122916)
443327.70	3761050.95	45.93113	(21121716)	441881.29	3762001.44	84.41730	(23021016)
440583.15	3761320.92	25.96192	(17021716)	440579.83	3761299.75	25.42610	(17021716)
440431.88	3761496.28	23.47392	(18120516)	440335.22	3761292.06	21.04448	(17021716)
440356.14	3761232.22	20.67014	(23010316)	439969.47	3761230.13	16.57266	(23010316)
439868.62	3761297.08	15.62220	(17021716)	439865.27	3761245.19	15.47793	(23010316)
440229.76	3761288.71	19.53440	(17021716)	439957.76	3761363.20	16.36535	(17021716)
439870.71	3761572.02	18.53511	(18120516)	439930.56	3761556.53	18.84840	(18120516)
439870.71	3761839.42	18.59072	(18120516)	439924.70	3761957.01	16.70112	(18120516)
439924.28	3762099.71	13.23240	(18120516)	439863.60	3762112.26	12.85442	(18120516)
439873.26	3762554.88	8.77219m	(23013016)	439874.80	3762661.28	7.87412	(23022716)
439927.48	3762571.08	8.58658	(23022716)	439942.64	3762649.46	7.89268	(23022716)
439874.24	3763087.57	7.63820	(23021016)	439872.56	3763272.54	6.59171	(23021016)
439876.33	3763332.38	6.16515	(23021016)	439874.24	3763445.79	6.64691c	(18111916)
439861.68	3763702.32	6.98499c	(18111916)	439875.08	3763945.45	7.79721	(18010816)
440074.27	3763727.01	8.36365	(18010816)	439872.56	3764008.22	7.97358	(18010816)
439873.82	3764196.54	8.45477	(18010816)	439944.96	3764712.10	8.73525	(18010816)
439880.10	3764775.71	8.60193	(18010816)	439880.52			

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          3764900.83        8.32362  (18010816)
1931      439944.96   3764933.89        8.11854  (18010816)                439951.24
          3765049.81        7.66699  (18010816)
1932      439880.10   3765027.63        7.94637  (18010816)                439951.66
          3765276.21        6.67322  (18010816)
1933      439875.49   3765270.77        7.03350  (18010816)                439874.50
          3765815.86        5.01837  (17122616)
1934      440004.83   3765814.70        5.43619  (17122616)                439865.36
          3760870.32       15.54026  (21122316)
1935      439781.42   3760421.48       12.64837  (17030816)                439860.47
          3760191.14       10.39988  (21122916)
1936      439923.10   3757937.26        5.93364  (17020616)                438973.38
          3754580.48        4.50818  (21120816)
1937      439631.09   3762694.55        7.80521  (23022716)                442816.66
          3761641.08      457.35477  (17103016)
1938      442840.46   3762023.13      164.94534  (21122816)                442844.83
          3762050.67      150.05027  (21122816)
1939      443047.82   3762051.32      113.29716  (21120916)                443029.03
          3762020.29      127.67932  (21120916)
1940      443122.56   3762052.85      109.33879  (21120916)                443438.77
          3762060.83       65.56103  (21120916)
1941      443421.50   3762034.46       67.25618  (21120916)                443872.88
          3762119.96       32.62993  (23060516)
1942      444355.79   3762116.93       20.68990  (23060516)                445022.64
          3761785.97       14.51530  (23060916)
1943      445316.67   3762043.06       11.93237  (17021316)                445303.86
          3761970.17       11.79326  (17021316)
1944      445607.24   3762043.06       10.52211  (17021316)                445882.06
          3762042.08        9.43921  (17021316)
1945      446067.74   3761982.48        9.20792  (23060916)                446058.87
          3762058.33        8.90493  (17021016)
1946      446255.23   3762062.11        8.43100  (23060916)                446484.25
          3762227.10        8.45513  (17021016)
1947      446439.92   3762290.63        8.47662  (17021016)                446749.22
          3762427.55        7.76324  (17021016)
1948  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
1949   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
1950
                                  PAGE  48
1951   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1952
1953                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                   FOR SOURCE GROUP:  EXH      ***
1954                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                       VOL3        , VOL4        , VOL5        ,
1955                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                      VOL11       , VOL12       , VOL13       ,
1956                  VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                      VOL19       , VOL20       , VOL21       ,
1957                  VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                      VOL27       , VOL28       ,  . . .      ,
1958
1959                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
1960
1961                                     ** CONC OF OTHER    IN
                                         MICROGRAMS/M**3                          **
1962
1963        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
1964   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
1965        446844.30   3762432.18        7.70781  (17021016)                447224.68
            3762429.46        7.45264  (17021016)
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1966          447272.39   3762441.73        7.39494  (17021016)                446893.38
              3762355.15        7.87109  (17021016)
1967          447657.60   3762177.92        6.35258  (23060916)                439164.02
              3762679.50        7.72264  (23022716)
1968          442309.67   3758691.58       10.32751  (23022716)                441607.59
              3758831.67        8.54126  (17010516)
1969          442346.32   3758837.37       10.81285  (23022716)                442782.88
              3758835.74       10.54137  (23120416)
1970          443526.49   3758833.30        8.77473  (23120416)                441007.77
              3758832.80        8.41131  (21120816)
1971          442733.11   3762008.67      174.43300  (21122816)                442555.03
              3762014.43      144.21226  (21122816)
1972          442372.42   3762032.69      102.25872  (22123016)                442471.33
              3762020.14      114.36986  (23033016)
1973          442309.05   3762003.23      113.71359  (22123016)                442267.23
              3762011.88       99.02939  (22123016)
1974          442157.88   3762010.71       88.00863  (18010816)                442023.53
              3762012.58       84.00286  (23021016)
1975          441918.37   3762014.94       81.70511  (23021016)                441564.90
              3762038.22       59.94748  (23021016)
1976          441257.28   3761984.82       33.77384m (23013016)                441170.84
              3762020.05       29.33361m (23013016)
1977          440928.18   3762012.31       24.79693m (23013016)                440604.66
              3762010.98       19.28278m (23013016)
1978          440672.33   3761517.55       28.73148  (18120516)                440866.01
              3762003.09       23.88074m (23013016)
1979  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***       12/17/25
1980   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
1981
                                  PAGE  49
1982   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1983
1984                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  DUST     ***
1985                                  INCLUDING SOURCE(S):     PAREA1      ,
1986
1987                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
1988
1989                                     ** CONC OF OTHER    IN
                                         MICROGRAMS/M**3                          **
1990
1991        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
1992   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - - - -
1993          440769.54   3761316.44        1.15853  (17021716)                440885.08
              3761233.72        1.20284  (23010316)
1994          440942.99   3761237.37        1.27271  (23010316)                440769.57
              3761294.98        1.14317  (17021716)
1995          441264.79   3761237.83        2.02735  (21122316)                441396.39
              3761228.15        2.44659  (23010316)
1996          441633.90   3761229.53        4.27284  (23010316)                441839.43
              3761231.28        7.65952  (23010316)
1997          442193.26   3761092.32        5.81445  (22120216)                442736.29
              3761091.73        5.77684  (23120816)
1998          442867.08   3761089.40        5.36521  (23121316)                443107.85
              3761253.32        3.97938  (22122916)
1999          443327.70   3761050.95        2.51424  (21121316)                441881.29
              3762001.44        2.77196  (23021016)
2000          440583.15   3761320.92        0.98884  (17021716)                440579.83
              3761299.75        0.98366  (17021716)
2001          440431.88   3761496.28        1.07383  (18120516)                440335.22
              3761292.06        0.81523  (17021716)
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2002          440356.14   3761232.22        0.83637  (23010316)                439969.47
              3761230.13         0.68855  (23010316)
2003          439868.62   3761297.08        0.59829  (17021716)                439865.27
              3761245.19         0.63915  (23010316)
2004          440229.76   3761288.71        0.75627  (17021716)                439957.76
              3761363.20         0.59885  (17021716)
2005          439870.71   3761572.02        0.90028  (18120516)                439930.56
              3761556.53         0.90894  (18120516)
2006          439870.71   3761839.42        0.85965  (18120516)                439924.70
              3761957.01         0.73366  (18120516)
2007          439924.28   3762099.71        0.58866  (18120516)                439863.60
              3762112.26         0.57606  (18120516)
2008          439873.26   3762554.88        0.42753  (23022716)                439874.80
              3762661.28         0.40007  (17122016)
2009          439927.48   3762571.08        0.41379  (23022716)                439942.64
              3762649.46         0.40687  (17122016)
2010          439874.24   3763087.57        0.33349  (21122716)                439872.56
              3763272.54         0.32346  (21122716)
2011          439876.33   3763332.38        0.31491  (17011716)                439874.24
              3763445.79         0.35232  (22120916)
2012          439861.68   3763702.32        0.42546  (22120916)                439875.08
              3763945.45         0.43150  (22120916)
2013          440074.27   3763727.01        0.45960  (22120916)                439872.56
              3764008.22         0.42279  (22120916)
2014          439873.82   3764196.54        0.38130  (22120916)                439944.96
              3764712.10         0.46548  (18010816)
2015          439880.10   3764775.71        0.45969  (18010816)                439880.52
              3764900.83         0.44961  (18010816)
2016          439944.96   3764933.89        0.42973  (18010816)                439951.24
              3765049.81         0.41430  (17121916)
2017          439880.10   3765027.63        0.42245  (18010816)                439951.66
              3765276.21         0.38810  (17021416)
2018          439875.49   3765270.77        0.39735  (17121916)                439874.50
              3765815.86         0.37174  (17021416)
2019          440004.83   3765814.70        0.35325  (17021416)                439865.36
              3760870.32         0.71568  (21010416)
2020          439781.42   3760421.48        0.82782  (17030816)                439860.47
              3760191.14         0.50916  (17030816)
2021          439923.10   3757937.26        0.31471  (17020616)                438973.38
              3754580.48         0.35779  (21120816)
2022          439631.09   3762694.55        0.37833  (23022716)                442816.66
              3761641.08        19.85476  (17103016)
2023          442840.46   3762023.13        5.98107  (21122816)                442844.83
              3762050.67         5.44067  (21122816)
2024          443047.82   3762051.32        3.98934  (21120916)                443029.03
              3762020.29         4.50210  (21120916)
2025          443122.56   3762052.85        3.85086  (21120916)                443438.77
              3762060.83         2.29496  (21120916)
2026          443421.50   3762034.46        2.37447  (21120916)                443872.88
              3762119.96         1.18775  (23060516)
2027          444355.79   3762116.93        0.92642  (18102516)                445022.64
              3761785.97         0.66786  (23060916)
2028          445316.67   3762043.06        0.65122  (18102516)                445303.86
              3761970.17         0.61199  (17021316)
2029          445607.24   3762043.06        0.57312  (18102516)                445882.06
              3762042.08         0.50867  (18102516)
2030          446067.74   3761982.48        0.45355  (17021316)                446058.87
              3762058.33         0.48282  (18102516)
2031          446255.23   3762062.11        0.44857  (17021316)                446484.25
              3762227.10         0.49573  (18102516)
2032          446439.92   3762290.63        0.52601  (18102516)                446749.22
              3762427.55         0.51401  (18102516)
2033  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
2034   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
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PAGE 50

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

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DUST ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
446844.30	3762432.18	0.50363	(18102516)	447224.68	3762429.46	0.45814	(18102516)
447272.39	3762441.73	0.45558	(18102516)	446893.38	3762355.15	0.48000	(18102516)
447657.60	3762177.92	0.32337	(17021316)	439164.02	3762679.50	0.38156	(23022716)
442309.67	3758691.58	0.60661	(23121116)	441607.59	3758831.67	0.53636	(17010516)
442346.32	3758837.37	0.61731	(17111316)	442782.88	3758835.74	0.83733	(17111316)
443526.49	3758833.30	0.61445	(23112916)	441007.77	3758832.80	0.57504	(21120816)
442733.11	3762008.67	6.14622	(21122816)	442555.03	3762014.43	4.67238	(21122816)
442372.42	3762032.69	3.33621	(22123016)	442471.33	3762020.14	3.72938	(23033016)
442309.05	3762003.23	3.73273	(18010816)	442267.23	3762011.88	3.56301	(18010816)
442157.88	3762010.71	3.35916	(18010816)	442023.53	3762012.58	2.86441	(18010816)
441918.37	3762014.94	2.62819	(23021016)	441564.90	3762038.22	2.18628	(23021016)
441257.28	3761984.82	1.26466m	(23013016)	441170.84	3762020.05	1.09990m	(23013016)
440928.18	3762012.31	1.03358m	(23013016)	440604.66	3762010.98	0.85952m	(23013016)
440672.33	3761517.55	1.31462	(18120516)	440866.01	3762003.09	1.01906m	(23013016)

FF *** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/17/25
*** AERMET - VERSION 22112 ***
*** ***
10:39:10

PAGE 51

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

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: EXH ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
440769.54	3761316.44	10.12317	(17021724)	440885.08	3761233.72	10.08572	(23010324)
440942.99	3761237.37	10.69518	(23010324)	440769.57	3761294.98	9.85388	(17021724)
441264.79	3761237.83	16.24432	(23010324)	441396.39	3761228.15	20.53252	(23010324)
441633.90	3761229.53	35.98449	(23010324)	441839.43	3761231.28	64.97075	(23010324)
442193.26	3761092.32	54.36412	(22120224)	442736.29	3761091.73	45.63248	(21123024)
442867.08	3761089.40	43.49373	(23121324)	443107.85	3761253.32	40.05242c	(22122924)
443327.70	3761050.95	15.31038	(21121724)	441881.29	3762001.44	28.13910	(23021024)
440583.15	3761320.92	8.65397	(17021724)	440579.83	3761299.75	8.47537	(17021724)
440431.88	3761496.28	8.53597c	(18120524)	440335.22	3761292.06	7.01483	(17021724)
440356.14	3761232.22	6.89005	(23010324)	439969.47	3761230.13	5.52422	(23010324)
439868.62	3761297.08	5.20740	(17021724)	439865.27	3761245.19	5.15931	(23010324)
440229.76	3761288.71	6.51147	(17021724)	439957.76	3761363.20	5.45512	(17021724)
439870.71	3761572.02	6.74004c	(18120524)	439930.56	3761556.53	6.85396c	(18120524)
439870.71	3761839.42	6.76026c	(18120524)	439924.70	3761957.01	6.07313c	(18120524)
439924.28	3762099.71	4.81178c	(18120524)	439863.60	3762112.26	4.67433c	(18120524)
439873.26	3762554.88	2.90766	(23022724)	439874.80	3762661.28	2.62471	(23022724)
439927.48	3762571.08	2.86219	(23022724)	439942.64	3762649.46	2.63089	(23022724)
439874.24	3763087.57	2.54607	(23021024)	439872.56	3763272.54	2.19724	(23021024)
439876.33	3763332.38	2.05505	(23021024)	439874.24	3763445.79	2.21564c	(18111924)
439861.68	3763702.32	2.32833c	(18111924)	439875.08	3763945.45	2.59907	(18010824)
440074.27	3763727.01	2.78788	(18010824)	439872.56	3764008.22	2.65786	(18010824)
439873.82	3764196.54	2.81826	(18010824)	439944.96	3764712.10	2.91175	(18010824)
439880.10	3764775.71	2.86731	(18010824)	439880.52	3764900.83	2.77454	(18010824)
439944.96	3764933.89	2.70618	(18010824)	439951.24	3765049.81	2.55566	(18010824)
439880.10	3765027.63	2.64879	(18010824)	439951.66	3765276.21	2.22441	(18010824)
439875.49	3765270.77	2.34450	(18010824)	439874.50	3765815.86	1.67279	(17122624)
440004.83	3765814.70	1.81206	(17122624)	439865.36	3760870.32	5.18009	(21122324)
439781.42	3760421.48	4.21612	(17030824)	439860.47	3760191.14	3.46663	(21122924)
439923.10	3757937.26	1.97788	(17020624)	438973.38			

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          3754580.48       1.50273  (21120824)
2107      439631.09   3762694.55       2.60174  (23022724)               442816.66
          3761641.08     168.62990c (22122924)
2108      442840.46   3762023.13       54.98178  (21122824)              442844.83
          3762050.67       50.01676  (21122824)
2109      443047.82   3762051.32       37.76572  (21120924)              443029.03
          3762020.29       42.55977  (21120924)
2110      443122.56   3762052.85       36.44626  (21120924)              443438.77
          3762060.83       21.85368  (21120924)
2111      443421.50   3762034.46       22.41873  (21120924)              443872.88
          3762119.96       10.87664  (23060524)
2112      444355.79   3762116.93        6.89663  (23060524)              445022.64
          3761785.97        4.83843  (23060924)
2113      445316.67   3762043.06        3.97746  (17021324)              445303.86
          3761970.17        3.93109  (17021324)
2114      445607.24   3762043.06        3.50737  (17021324)              445882.06
          3762042.08        3.14640  (17021324)
2115      446067.74   3761982.48        3.06931  (23060924)              446058.87
          3762058.33        2.96831  (17021024)
2116      446255.23   3762062.11        2.81033  (23060924)              446484.25
          3762227.10        2.81838  (17021024)
2117      446439.92   3762290.63        2.82554  (17021024)              446749.22
          3762427.55        2.58775  (17021024)
2118  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
2119   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
2120
                                  PAGE  52
2121   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2122
2123                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                   FOR SOURCE GROUP:  EXH      ***
2124                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                       VOL3        , VOL4        , VOL5        ,
2125                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                      VOL11       , VOL12       , VOL13       ,
2126                  VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                      VOL19       , VOL20       , VOL21       ,
2127                  VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                      VOL27       , VOL28       ,  . . .      ,
2128
2129                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
2130
2131                                     ** CONC OF OTHER    IN
                                         MICROGRAMS/M**3                          **
2132
2133        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
2134   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2135      446844.30   3762432.18        2.56927  (17021024)               447224.68
          3762429.46        2.48421  (17021024)
2136      447272.39   3762441.73        2.46498  (17021024)               446893.38
          3762355.15        2.62370  (17021024)
2137      447657.60   3762177.92        2.11753  (23060924)               439164.02
          3762679.50        2.57421  (23022724)
2138      442309.67   3758691.58        3.44250  (23022724)               441607.59
          3758831.67        2.84709  (17010524)
2139      442346.32   3758837.37        3.60428  (23022724)               442782.88
          3758835.74        3.51379  (23120424)
2140      443526.49   3758833.30        2.92491  (23120424)               441007.77
          3758832.80        2.80377  (21120824)
2141      442733.11   3762008.67       58.14433  (21122824)               442555.03
          3762014.43      51.11922c (23033024)
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          442372.42   3762032.69       36.15029c (23033024)                442471.33
          3762020.14       45.74795c (23033024)
          442309.05   3762003.23       37.90453  (22123024)                442267.23
          3762011.88       33.00980  (22123024)
          442157.88   3762010.71       29.33621  (18010824)                442023.53
          3762012.58       28.00095  (23021024)
          441918.37   3762014.94       27.23504  (23021024)                441564.90
          3762038.22       19.98249  (23021024)
          441257.28   3761984.82       10.93494  (23120524)                441170.84
          3762020.05        9.39835  (23120524)
          440928.18   3762012.31        7.08484b (23013024)                440604.66
          3762010.98        6.30739c (18120524)
          440672.33   3761517.55       10.44781c (18120524)                440866.01
          3762003.09        6.82307b (23013024)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 10:39:10

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

                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  DUST     ***
                                    INCLUDING SOURCE(S):     PAREA1      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                           ** CONC OF OTHER    IN
                                           MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
      Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - - -
          440769.54   3761316.44        0.38618  (17021724)                440885.08
          3761233.72        0.40095  (23010324)
          440942.99   3761237.37        0.42424  (23010324)                440769.57
          3761294.98        0.38106  (17021724)
          441264.79   3761237.83        0.67578  (21122324)                441396.39
          3761228.15        0.81553  (23010324)
          441633.90   3761229.53        1.42428  (23010324)                441839.43
          3761231.28        2.55317  (23010324)
          442193.26   3761092.32        1.93815  (22120224)                442736.29
          3761091.73        1.92561  (23120824)
          442867.08   3761089.40        1.78840  (23121324)                443107.85
          3761253.32        1.51595c (22122924)
          443327.70   3761050.95        0.83808  (21121324)                441881.29
          3762001.44        0.92399  (23021024)
          440583.15   3761320.92        0.32961  (17021724)                440579.83
          3761299.75        0.32789  (17021724)
          440431.88   3761496.28        0.39048c (18120524)                440335.22
          3761292.06        0.27174  (17021724)
          440356.14   3761232.22        0.27879  (23010324)                439969.47
          3761230.13        0.22952  (23010324)
          439868.62   3761297.08        0.19943  (17021724)                439865.27
          3761245.19        0.21305  (23010324)
          440229.76   3761288.71        0.25209  (17021724)                439957.76
          3761363.20        0.19962  (17021724)
          439870.71   3761572.02        0.32737c (18120524)                439930.56
          3761556.53        0.33052c (18120524)
          439870.71   3761839.42        0.31260c (18120524)                439924.70
          3761957.01        0.26679c (18120524)
          439924.28   3762099.71        0.21406c (18120524)                439863.60
          3762112.26        0.20948c (18120524)
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2178          439873.26   3762554.88        0.14251  (23022724)                439874.80
              3762661.28        0.13336  (17122024)
2179          439927.48   3762571.08        0.13793  (23022724)                439942.64
              3762649.46        0.13562  (17122024)
2180          439874.24   3763087.57        0.11116  (21122724)                439872.56
              3763272.54        0.10782  (21122724)
2181          439876.33   3763332.38        0.10497  (17011724)                439874.24
              3763445.79        0.11744  (22120924)
2182          439861.68   3763702.32        0.14182  (22120924)                439875.08
              3763945.45        0.14383  (22120924)
2183          440074.27   3763727.01        0.15320  (22120924)                439872.56
              3764008.22        0.14093  (22120924)
2184          439873.82   3764196.54        0.12710  (22120924)                439944.96
              3764712.10        0.15516  (18010824)
2185          439880.10   3764775.71        0.15323  (18010824)                439880.52
              3764900.83        0.14987  (18010824)
2186          439944.96   3764933.89        0.14324  (18010824)                439951.24
              3765049.81        0.13810  (17121924)
2187          439880.10   3765027.63        0.14082  (18010824)                439951.66
              3765276.21        0.12937  (17021424)
2188          439875.49   3765270.77        0.13245  (17121924)                439874.50
              3765815.86        0.12391  (17021424)
2189          440004.83   3765814.70        0.11775  (17021424)                439865.36
              3760870.32        0.28627c (21010424)
2190          439781.42   3760421.48        0.27594  (17030824)                439860.47
              3760191.14        0.16972  (17030824)
2191          439923.10   3757937.26        0.10490  (17020624)                438973.38
              3754580.48        0.11926  (21120824)
2192          439631.09   3762694.55        0.12611  (23022724)                442816.66
              3761641.08        6.77124b (23061424)
2193          442840.46   3762023.13        1.99369  (21122824)                442844.83
              3762050.67        1.81356  (21122824)
2194          443047.82   3762051.32        1.32978  (21120924)                443029.03
              3762020.29        1.50070  (21120924)
2195          443122.56   3762052.85        1.28362  (21120924)                443438.77
              3762060.83        0.76499  (21120924)
2196          443421.50   3762034.46        0.79149  (21120924)                443872.88
              3762119.96        0.39592  (23060524)
2197          444355.79   3762116.93        0.30881  (18102524)                445022.64
              3761785.97        0.22262  (23060924)
2198          445316.67   3762043.06        0.21707  (18102524)                445303.86
              3761970.17        0.20400  (17021324)
2199          445607.24   3762043.06        0.19104  (18102524)                445882.06
              3762042.08        0.16956  (18102524)
2200          446067.74   3761982.48        0.15118  (17021324)                446058.87
              3762058.33        0.16094  (18102524)
2201          446255.23   3762062.11        0.14952  (17021324)                446484.25
              3762227.10        0.16524  (18102524)
2202          446439.92   3762290.63        0.17534  (18102524)                446749.22
              3762427.55        0.17134  (18102524)
2203  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
2204   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       10:39:10
2205
                                  PAGE  54
2206   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2207
2208                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  DUST     ***
2209                                  INCLUDING SOURCE(S):     PAREA1      ,
2210
2211                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***
2212
2213                                      ** CONC OF OTHER    IN
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
446844.30	3762432.18	0.16788	(18102524)	447224.68	3762429.46	0.15271	(18102524)
447272.39	3762441.73	0.15186	(18102524)	446893.38	3762355.15	0.16000	(18102524)
447657.60	3762177.92	0.10779	(17021324)	439164.02	3762679.50	0.12719	(23022724)
442309.67	3758691.58	0.20220	(23121124)	441607.59	3758831.67	0.17879	(17010524)
442346.32	3758837.37	0.20577	(17111324)	442782.88	3758835.74	0.27911	(17111324)
443526.49	3758833.30	0.20482	(23112924)	441007.77	3758832.80	0.19168	(21120824)
442733.11	3762008.67	2.04874	(21122824)	442555.03	3762014.43	1.71975c	(23033024)
442372.42	3762032.69	1.24715c	(23033024)	442471.33	3762020.14	1.49175c	(23033024)
442309.05	3762003.23	1.29859c	(23033024)	442267.23	3762011.88	1.18767	(18010824)
442157.88	3762010.71	1.11972	(18010824)	442023.53	3762012.58	0.95480	(18010824)
441918.37	3762014.94	0.87606	(23021024)	441564.90	3762038.22	0.72876	(23021024)
441257.28	3761984.82	0.38796	(23120524)	441170.84	3762020.05	0.33302	(23120524)
440928.18	3762012.31	0.29531b	(23013024)	440604.66	3762010.98	0.25433c	(18120524)
440672.33	3761517.55	0.47804c	(18120524)	440866.01	3762003.09	0.29116b	(23013024)

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

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID

EXH HIGH 1ST HIGH VALUE IS 1182.35897 ON 22122916: AT (442816.66, 3761641.08, 208.80, 208.80, 2.00) DC

DUST HIGH 1ST HIGH VALUE IS 41.33838 ON 22122916: AT (442816.66, 3761641.08, 208.80, 208.80, 2.00) DC

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 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 10:39:10

                              PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  8-HR RESULTS
                                                ***


                                    ** CONC OF OTHER    IN
                                    MICROGRAMS/M**3                          **


                                                          DATE

                                                            NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

EXH      HIGH   1ST HIGH VALUE IS     457.35477  ON 17103016: AT (  442816.66,
3761641.08,   208.80,   208.80,    2.00)  DC

DUST     HIGH   1ST HIGH VALUE IS      19.85476  ON 17103016: AT (  442816.66,
3761641.08,   208.80,   208.80,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 10:39:10

                              PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST 24-HR RESULTS
                                                ***


                                    ** CONC OF OTHER    IN
                                    MICROGRAMS/M**3                          **


                                                          DATE

                                                            NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

EXH      HIGH   1ST HIGH VALUE IS     168.62990c ON 22122924: AT (  442816.66,
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     3761641.08,   208.80,   208.80,    2.00)  DC
2292
2293 DUST     HIGH   1ST HIGH VALUE IS       6.77124b ON 23061424: AT (  442816.66,
     3761641.08,   208.80,   208.80,    2.00)  DC
2294
2295
2296  *** RECEPTOR TYPES:  GC = GRIDCART
2297                       GP = GRIDPOLR
2298                       DC = DISCCART
2299                       DP = DISCPOLR
2300 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
2301  *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      10:39:10
2302
                                  PAGE  58
2303  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2304
2305  *** Message Summary : AERMOD Model Execution ***
2306
2307   --------- Summary of Total Messages --------
2308
2309  A Total of            0 Fatal Error Message(s)
2310  A Total of          419 Warning Message(s)
2311  A Total of         1967 Informational Message(s)
2312
2313  A Total of        43800 Hours Were Processed
2314
2315  A Total of         1244 Calm Hours Identified
2316
2317  A Total of          723 Missing Hours Identified (  1.65 Percent)
2318
2319
2320     ******** FATAL ERROR MESSAGES ********
2321                ***  NONE  ***
2322
2323
2324     ********   WARNING MESSAGES   ********
2325  ME W186     636       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
     used           0.50
2326  ME W187     636       MEOPEN: ADJ_U* Option for Stable Low Winds used in
     AERMET
2327  CN W733     144         AVER: 8-hr avg, < 6 hours of data, calms policy used.
     2017010624
2328  CN W733     176         AVER: 8-hr avg, < 6 hours of data, calms policy used.
     2017010808
2329  CN W732     192         AVER: 24-hr avg, < 18 hours of data, calms policy used.
     2017010824
2330  CN W733     464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
     2017012008
2331  CN W733     472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
     2017012016
2332  CN W732     480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
     2017012024
2333  CN W733    1168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
     2017021816
2334  CN W732    1176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
     2017021824
2335  CN W733    1952         AVER: 8-hr avg, < 6 hours of data, calms policy used.
     2017032308
2336  CN W733    1960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
     2017032316
2337  CN W733    1976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
     2017032408
2338  CN W733    2024         AVER: 8-hr avg, < 6 hours of data, calms policy used.
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2017032608
2339 CN W733 2032 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032616
2340 CN W732 2040 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017032624
2341 CN W733 8096 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017120408
2342 CN W733 8760 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017123124
2343 CN W733 9096 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018011424
2344 CN W733 9120 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018011524
2345 CN W732 9120 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018011524
2346 CN W733 9152 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018011708
2347 CN W732 9168 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018011724
2348 CN W733 9256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012116
2349 CN W733 9336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012424
2350 CN W733 9384 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012624
2351 CN W733 9392 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012708
2352 CN W733 9400 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012716
2353 CN W732 9408 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018012724
2354 CN W733 9472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018013016
2355 CN W733 9512 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020108
2356 CN W733 9536 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020208
2357 CN W732 9552 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020224
2358 CN W733 9624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020524
2359 CN W733 9632 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020608
2360 CN W733 9640 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020616
2361 CN W732 9648 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020624
2362 CN W733 9656 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020708
2363 CN W733 9664 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020716
2364 CN W733 9672 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020724
2365 CN W732 9672 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020724
2366 CN W733 9704 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020908
2367 CN W733 9712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020916
2368 CN W732 9720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020924
2369 CN W733 9744 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021024
2370 CN W733 9752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021108
2371 CN W733 9776 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2018021208
2372 CN W733 9872 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021608
2373 CN W733 9880 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021616
2374 CN W732 9888 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018021624
2375 CN W733 9992 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018022108
2376 CN W733 10048 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018022316
2377 CN W733 10088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018022508
2378 CN W733 10208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030208
2379 CN W733 10216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030216
2380 CN W732 10224 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030224
2381 CN W733 10264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030416
2382 CN W733 10272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030424
2383 CN W732 10272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030424
2384 CN W733 10280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030508
2385 CN W733 10360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030816
2386 CN W732 10368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030824
2387 CN W733 10416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018031024
2388 CN W733 10648 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032016
2389 CN W733 10800 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032624
2390 CN W733 10856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032908
2391 CN W732 10872 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018032924
2392 CN W733 11056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018040616
2393 CN W733 11552 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018042708
2394 CN W733 11712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018050324
2395 CN W733 11720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018050408
2396 CN W733 11960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051408
2397 CN W733 11984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051508
2398 CN W733 12056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051808
2399 CN W733 12176 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018052308
2400 CN W733 12400 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060116
2401 CN W733 12408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060124
2402 CN W732 12408 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018060124
2403 CN W733 12416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060208
2404 CN W733 13184 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2018070408
2405 CN W733 13192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070416
2406 CN W733 13200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070424
2407 CN W732 13200 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018070424
2408 CN W733 13240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070616
2409 CN W733 13280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070808
2410 CN W732 13296 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018070824
2411 CN W733 13448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071508
2412 CN W732 13464 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018071524
2413 CN W733 13480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071616
2414 CN W733 13664 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072408
2415 CN W732 13680 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072424
2416 CN W733 13688 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072508
2417 CN W732 13704 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072524
2418 CN W733 13760 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072808
2419 CN W733 13832 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018073108
2420 CN W733 14000 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018080708
2421 CN W733 14336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082108
2422 CN W733 14480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082708
2423 CN W733 14488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082716
2424 CN W732 14496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018082724
2425 CN W733 14784 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018090824
2426 CN W733 14960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091608
2427 CN W732 14976 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091624
2428 CN W733 15008 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091808
2429 CN W733 15016 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091816
2430 CN W732 15024 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091824
2431 CN W733 15032 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091908
2432 CN W733 15040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091916
2433 CN W732 15048 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091924
2434 CN W733 15224 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018092708
2435 CN W733 15520 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018100916
2436 CN W733 15624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018101324
2437 CN W733 15816 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2018102124
2438 CN W732 15816 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018102124
2439 CN W733 15864 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102324
2440 CN W733 15872 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102408
2441 CN W733 15936 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102624
2442 CN W733 15984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102824
2443 CN W733 16200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110624
2444 CN W733 16208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110708
2445 CN W733 16216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110716
2446 CN W732 16224 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018110724
2447 CN W733 16344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111224
2448 CN W733 16392 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111424
2449 CN W733 16480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111816
2450 CN W733 16488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111824
2451 CN W732 16488 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018111824
2452 CN W733 16496 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111908
2453 CN W733 16504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111916
2454 CN W732 16512 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018111924
2455 CN W733 16536 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018112024
2456 CN W733 16720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018112816
2457 CN W733 16752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018112924
2458 CN W733 16952 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018120808
2459 CN W732 16968 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018120824
2460 CN W733 17000 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121008
2461 CN W733 17008 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121016
2462 CN W732 17016 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018121024
2463 CN W733 17104 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121416
2464 CN W733 17136 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121524
2465 CN W733 17192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121808
2466 CN W732 17208 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018121824
2467 CN W733 17328 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018122324
2468 CN W733 17376 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018122524
2469 CN W733 17384 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018122608
2470 MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at:

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      21010101
2471  MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2
      year gap
2472  CN W733   17568         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010224
2473  CN W733   17576         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010308
2474  CN W733   17616         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010424
2475  CN W733   17624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010508
2476  CN W733   17640         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010524
2477  CN W732   17640         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021010524
2478  CN W733   17648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010608
2479  CN W733   17728         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010916
2480  CN W732   17736         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021010924
2481  CN W733   17752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021011016
2482  CN W732   17760         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021011024
2483  CN W733   17776         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021011116
2484  CN W732   17784         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021011124
2485  CN W733   17800         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021011216
2486  CN W732   17808         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021011224
2487  CN W733   18064         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021012316
2488  CN W732   18072         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021012324
2489  CN W733   18088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021012416
2490  CN W732   18096         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021012424
2491  CN W733   18112         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021012516
2492  CN W732   18120         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021012524
2493  CN W733   18224         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021013008
2494  CN W733   18232         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021013016
2495  CN W733   18240         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021013024
2496  CN W732   18240         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021013024
2497  CN W733   18248         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021013108
2498  CN W733   18256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021013116
2499  CN W732   18264         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021013124
2500  CN W733   18408         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021020624
2501  CN W733   18416         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021020708
2502  CN W733   18840         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021022424
2503  CN W732   18840         AVER: 24-hr avg, < 18 hours of data, calms policy used.
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2021022424
2504 CN W733 18848 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021022508
2505 CN W733 18976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030216
2506 CN W733 18984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030224
2507 CN W732 18984 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021030224
2508 CN W733 18992 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030308
2509 CN W733 19264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031416
2510 CN W732 19272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031424
2511 CN W733 19352 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031808
2512 CN W733 19360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031816
2513 CN W732 19368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031824
2514 CN W733 19440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021032124
2515 CN W733 19448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021032208
2516 CN W733 19648 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021033016
2517 CN W732 19656 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021033024
2518 CN W733 19728 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040224
2519 CN W733 19736 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040308
2520 CN W733 19744 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040316
2521 CN W732 19752 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021040324
2522 CN W733 19760 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040408
2523 CN W733 19768 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040416
2524 CN W732 19776 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021040424
2525 CN W733 19904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021041008
2526 CN W733 19960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021041216
2527 CN W733 20168 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042108
2528 CN W733 20216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042308
2529 CN W733 20240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042408
2530 CN W733 20264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042508
2531 CN W733 20320 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042716
2532 CN W733 20360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042908
2533 CN W733 20368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042916
2534 CN W732 20376 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021042924
2535 CN W733 20408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050108
2536 CN W732 20424 AVER: 24-hr avg, < 18 hours of data, calms policy used.

2021050124
2537 CN W733 20472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050324
2538 CN W733 20480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050408
2539 CN W732 20496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050424
2540 CN W733 20504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050508
2541 CN W732 20520 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050524
2542 CN W733 20528 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050608
2543 CN W733 21200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060308
2544 CN W733 21208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060316
2545 CN W732 21216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021060324
2546 CN W733 21752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021062608
2547 CN W733 22248 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071624
2548 CN W733 22256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071708
2549 CN W733 22264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071716
2550 CN W733 22272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071724
2551 CN W732 22272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021071724
2552 CN W733 22280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071808
2553 CN W733 22288 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071816
2554 CN W733 22296 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071824
2555 CN W732 22296 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021071824
2556 CN W733 22304 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071908
2557 CN W732 22320 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021071924
2558 CN W733 22976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021081608
2559 CN W733 23368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021090116
2560 CN W732 23376 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021090124
2561 CN W733 23632 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021091216
2562 CN W733 24256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100816
2563 CN W732 24264 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100824
2564 CN W733 24280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100916
2565 CN W732 24288 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100924
2566 CN W733 25120 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021111316
2567 CN W733 25160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021111508
2568 CN W732 25176 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021111524
2569 CN W733 25376 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2021112408
2570 CN W733 25424 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112608
2571 CN W733 25432 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112616
2572 CN W733 25440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112624
2573 CN W732 25440 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112624
2574 CN W733 25448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112708
2575 CN W733 25456 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112716
2576 CN W732 25464 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112724
2577 CN W733 25784 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021121108
2578 CN W733 26336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022010308
2579 CN W733 26344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022010316
2580 CN W732 26352 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022010324
2581 CN W733 28040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022031508
2582 CN W733 28048 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022031516
2583 CN W733 29488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022051416
2584 CN W732 29496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022051424
2585 CN W733 30208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022061316
2586 CN W732 30216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022061324
2587 CN W733 31216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022072516
2588 CN W733 31624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022081116
2589 CN W732 31632 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022081124
2590 CN W733 31880 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022082208
2591 CN W733 31888 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022082216
2592 CN W732 31896 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022082224
2593 CN W733 32320 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022090916
2594 CN W732 32328 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022090924
2595 CN W733 32336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091008
2596 CN W733 32360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091108
2597 CN W733 32384 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091208
2598 CN W732 32400 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022091224
2599 CN W733 32440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091416
2600 CN W733 32504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091708
2601 CN W733 32512 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091716
2602 CN W732 32520 AVER: 24-hr avg, < 18 hours of data, calms policy used.

2022091724
2603 CN W733 32552 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091908
2604 CN W733 32816 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022093008
2605 CN W733 32936 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022100508
2606 CN W733 32944 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022100516
2607 CN W732 32952 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100524
2608 CN W733 33288 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022101924
2609 CN W733 33856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111216
2610 CN W732 33864 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111224
2611 CN W733 33880 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111316
2612 CN W732 33888 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111324
2613 CN W733 33896 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111408
2614 CN W733 33904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111416
2615 CN W732 33912 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111424
2616 CN W733 33928 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111516
2617 CN W732 33936 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111524
2618 CN W733 34184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022112608
2619 CN W733 34360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022120316
2620 CN W732 34368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022120324
2621 CN W733 34976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022122908
2622 CN W733 35528 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012108
2623 CN W733 35536 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012116
2624 CN W732 35544 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012124
2625 CN W733 35720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012908
2626 CN W732 35736 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012924
2627 CN W733 35768 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023013108
2628 CN W733 35904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023020524
2629 CN W733 36088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021316
2630 CN W732 36096 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021324
2631 CN W733 36160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021616
2632 CN W732 36168 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021624
2633 CN W733 36440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023022808
2634 CN W733 36608 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023030708
2635 CN W732 36624 AVER: 24-hr avg, < 18 hours of data, calms policy used.

2023030724
2636 CN W733 36688 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031016
2637 CN W732 36696 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031024
2638 CN W733 36712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031116
2639 CN W732 36720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031124
2640 CN W733 36736 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031216
2641 CN W732 36744 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031224
2642 CN W733 36832 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031616
2643 CN W732 36840 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031624
2644 CN W733 36856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031716
2645 CN W733 36896 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031908
2646 CN W733 36912 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031924
2647 CN W732 36912 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031924
2648 CN W733 36920 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023032008
2649 CN W732 36936 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023032024
2650 CN W733 37160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033008
2651 CN W733 37184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033108
2652 CN W733 37192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033116
2653 CN W733 37200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033124
2654 CN W732 37200 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023033124
2655 CN W733 37360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023040716
2656 CN W732 37368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023040724
2657 CN W733 37904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023043008
2658 CN W733 38368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023051916
2659 CN W732 38376 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023051924
2660 CN W733 38824 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060716
2661 CN W733 38840 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060808
2662 CN W733 38968 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061316
2663 CN W733 38984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061408
2664 CN W733 39016 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061516
2665 CN W733 39040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061616
2666 CN W733 39056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061708
2667 CN W732 39072 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061724
2668 CN W733 39080 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2023061808
2669 CN W733 39104 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061908
2670 CN W733 39128 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062008
2671 CN W733 39136 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062016
2672 CN W732 39144 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062024
2673 CN W733 39152 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062108
2674 CN W733 39160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062116
2675 CN W732 39168 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062124
2676 CN W733 39176 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062208
2677 CN W733 39200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062308
2678 CN W733 39208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062316
2679 CN W732 39216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062324
2680 CN W733 39224 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062408
2681 CN W733 39232 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062416
2682 CN W732 39240 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062424
2683 CN W733 39248 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062508
2684 CN W732 39264 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062524
2685 CN W733 39272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062608
2686 CN W732 39288 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062624
2687 CN W733 39296 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062708
2688 CN W732 39312 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062724
2689 CN W733 39344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062908
2690 CN W732 39360 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062924
2691 CN W733 39368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023063008
2692 CN W733 39712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023071416
2693 CN W732 39720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071424
2694 CN W733 40080 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023072924
2695 CN W733 40088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073008
2696 CN W732 40104 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073024
2697 CN W733 40112 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073108
2698 CN W733 40120 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073116
2699 CN W732 40128 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073124
2700 CN W733 40136 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023080108
2701 CN W732 40152 AVER: 24-hr avg, < 18 hours of data, calms policy used.

2023080124
2702 CN W733 40624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082116
2703 CN W733 40640 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082208
2704 CN W733 40856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023083108
2705 CN W733 41040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023090724
2706 CN W733 41144 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023091208
2707 CN W733 41392 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092216
2708 CN W732 41400 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092224
2709 CN W733 41472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092524
2710 CN W733 41480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092608
2711 CN W733 41728 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100616
2712 CN W733 41808 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100924
2713 CN W733 41864 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101208
2714 CN W732 41880 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101224
2715 CN W733 41944 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101516
2716 CN W732 41952 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101524
2717 CN W733 42328 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023103116
2718 CN W733 42344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110108
2719 CN W733 42352 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110116
2720 CN W733 42360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110124
2721 CN W732 42360 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110124
2722 CN W733 42368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110208
2723 CN W733 42376 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110216
2724 CN W732 42384 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110224
2725 CN W733 42400 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110316
2726 CN W732 42408 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110324
2727 CN W733 42424 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110416
2728 CN W733 42432 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110424
2729 CN W732 42432 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110424
2730 CN W733 42440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110508
2731 CN W733 42448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110516
2732 CN W733 42456 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110524
2733 CN W732 42456 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110524
2734 CN W733 42464 AVER: 8-hr avg, < 6 hours of data, calms policy used.

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      2023110608
2735  CN W733   42472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110616
2736  CN W732   42480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023110624
2737  CN W733   42488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110708
2738  CN W733   42496         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110716
2739  CN W732   42504         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023110724
2740  CN W733   43216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023120716
2741  CN W732   43224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023120724
2742  CN W733   43672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023122616
2743  CN W732   43680         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023122624
2744
2745     ************************************
2746     *** AERMOD Finishes Successfully ***
2747     ************************************
2748
2749
```

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 12/18/2025
** File: C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Cons LST Ph2\16285 Cons LST Ph2.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24
   URBANOPT 2195611 San_Bernardino_County
   POLLUTID OTHER
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "16285 Cons LST Ph2.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL22        VOLUME     441946.455  3761568.319      207.600
   LOCATION VOL23        VOLUME     441831.876  3761567.928      206.360
   LOCATION VOL24        VOLUME     441719.145  3761570.380      206.270
   LOCATION VOL25        VOLUME     441605.135  3761567.626      206.440
   LOCATION VOL26        VOLUME     441489.152  3761568.710      206.670
   LOCATION VOL27        VOLUME     441372.086  3761570.878      206.410
   LOCATION VOL28        VOLUME     441256.103  3761571.962      206.600
   LOCATION VOL29        VOLUME     441256.103  3761340.138      204.800
   LOCATION VOL30        VOLUME     441371.002  3761339.054      205.070
   LOCATION VOL31        VOLUME     441485.901  3761340.138      202.880
   LOCATION VOL32        VOLUME     441600.799  3761335.802      205.540
   LOCATION VOL33        VOLUME     441715.698  3761339.054      205.280
   LOCATION VOL34        VOLUME     441829.513  3761340.138      205.690
   LOCATION VOL35        VOLUME     441946.580  3761340.138      206.250
   LOCATION VOL36        VOLUME     441946.899  3761454.895      207.960
   LOCATION VOL37        VOLUME     441831.432  3761454.255      207.920
   LOCATION VOL38        VOLUME     441716.089  3761453.917      207.400
   LOCATION VOL39        VOLUME     441602.718  3761452.265      206.590
   LOCATION VOL40        VOLUME     441489.028  3761456.139      205.760
   LOCATION VOL41        VOLUME     441373.809  3761454.682      206.520
   LOCATION VOL42        VOLUME     441257.631  3761455.446      206.670
   LOCATION VOL43        VOLUME     441945.075  3761683.161      208.580
   LOCATION VOL44        VOLUME     441830.496  3761682.770      208.510
   LOCATION VOL45        VOLUME     441717.766  3761685.223      207.440
   LOCATION VOL46        VOLUME     441603.755  3761682.469      208.290
   LOCATION VOL47        VOLUME     441487.773  3761683.553      207.560
   LOCATION VOL48        VOLUME     441370.706  3761685.721      207.410
   LOCATION VOL49        VOLUME     441254.723  3761686.805      207.950
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   LOCATION VOL51        VOLUME     441825.148  3761753.832      209.220
   LOCATION VOL52        VOLUME     441709.360  3761756.285      208.440
   LOCATION VOL53        VOLUME     441595.350  3761753.531      208.690
   LOCATION VOL54        VOLUME     441479.367  3761754.615      207.880
   LOCATION VOL55        VOLUME     441362.301  3761756.783      207.980
   LOCATION VOL56        VOLUME     441246.318  3761757.866      208.170
   LOCATION PAREA1       AREAPOLY   441191.760  3761286.901      204.270
** Source Parameters **
   SRCPARAM VOL22              1.0     5.000    26.719     1.400
   SRCPARAM VOL23              1.0     5.000    26.719     1.400
   SRCPARAM VOL24              1.0     5.000    26.719     1.400
   SRCPARAM VOL25              1.0     5.000    26.719     1.400
   SRCPARAM VOL26              1.0     5.000    26.719     1.400
   SRCPARAM VOL27              1.0     5.000    26.719     1.400
   SRCPARAM VOL28              1.0     5.000    26.719     1.400
   SRCPARAM VOL29              1.0     5.000    26.719     1.400
   SRCPARAM VOL30              1.0     5.000    26.719     1.400
   SRCPARAM VOL31              1.0     5.000    26.719     1.400
   SRCPARAM VOL32              1.0     5.000    26.719     1.400
   SRCPARAM VOL33              1.0     5.000    26.719     1.400
   SRCPARAM VOL34              1.0     5.000    26.719     1.400
   SRCPARAM VOL35              1.0     5.000    26.719     1.400
   SRCPARAM VOL36              1.0     5.000    26.719     1.400
   SRCPARAM VOL37              1.0     5.000    26.719     1.400
   SRCPARAM VOL38              1.0     5.000    26.719     1.400
   SRCPARAM VOL39              1.0     5.000    26.719     1.400
   SRCPARAM VOL40              1.0     5.000    26.719     1.400
   SRCPARAM VOL41              1.0     5.000    26.719     1.400
   SRCPARAM VOL42              1.0     5.000    26.719     1.400
   SRCPARAM VOL43              1.0     5.000    26.719     1.400
   SRCPARAM VOL44              1.0     5.000    26.719     1.400
   SRCPARAM VOL45              1.0     5.000    26.719     1.400
   SRCPARAM VOL46              1.0     5.000    26.719     1.400
   SRCPARAM VOL47              1.0     5.000    26.719     1.400
   SRCPARAM VOL48              1.0     5.000    26.719     1.400
   SRCPARAM VOL49              1.0     5.000    26.719     1.400
   SRCPARAM VOL51              1.0     5.000    26.719     1.400
   SRCPARAM VOL52              1.0     5.000    26.719     1.400
   SRCPARAM VOL53              1.0     5.000    26.719     1.400
   SRCPARAM VOL54              1.0     5.000    26.719     1.400
   SRCPARAM VOL55              1.0     5.000    26.719     1.400
   SRCPARAM VOL56              1.0     5.000    26.719     1.400
   SRCPARAM PAREA1       2.4144E-06     0.000         9     1.000
   AREAVERT PAREA1       441191.760 3761286.901 441188.704 3761816.443
   AREAVERT PAREA1       441746.519 3761814.915 441784.726 3761799.632
   AREAVERT PAREA1       441845.856 3761769.831 441886.355 3761749.200
   AREAVERT PAREA1       441940.608 3761740.794 441994.862 3761739.266
   AREAVERT PAREA1       441997.154 3761285.372
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Exh      VOL22 VOL23 VOL24 VOL25 VOL26 VOL27 VOL28 VOL29 VOL30
   SRCGROUP Exh      VOL31 VOL32 VOL33 VOL34 VOL35 VOL36 VOL37 VOL38 VOL39
   SRCGROUP Exh      VOL40 VOL41 VOL42 VOL43 VOL44 VOL45 VOL46 VOL47 VOL48
   SRCGROUP Exh      VOL49 VOL51 VOL52 VOL53 VOL54 VOL55 VOL56
   SRCGROUP Dust     PAREA1
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "16285 Cons LST Ph2.rou"
RE FINISHED
**
**************************************
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** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KCNO_V11_trimmed.sfc
   PROFFILE KCNO_V11_trimmed.PFL
   SURFDATA 3179 2017
   UAIRDATA 3190 2017
   PROFBASE 191.07 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
   PLOTFILE 1 Exh 1ST "16285 CONS LST PH2.AD\Exh 1h.PLT" 31
   PLOTFILE 8 Exh 1ST "16285 CONS LST PH2.AD\Exh 8h.PLT" 32
   PLOTFILE 24 Exh 1ST "16285 CONS LST PH2.AD\Exh 24h.PLT" 33
   PLOTFILE 24 Dust 1ST "16285 CONS LST PH2.AD\Dust 24h.PLT" 34
   SUMMFILE "16285 Cons LST Ph2.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     669       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187     669       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET

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

FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

                                PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  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    35 Source(s),
       for Total of    1 Urban Area(s):
  Urban Population =   2195611.0 ;  Urban Roughness Length =  1.000 m
     * Urban Roughness Length of 1.0 Meter Used.
     * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
     * CCVR_Sub - Meteorological data includes CCVR substitutions
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Accepts FLAGPOLE Receptor . Heights.
     * The User Specified a Pollutant Type of: OTHER

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

**This Run Includes:     35 Source(s);       2 Source Group(s); and     115 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     34 VOLUME source(s)
                and:      1 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:  22112

**Output Options Selected:
         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) =   191.07 ;  Decay Coef.
=    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;  Emission
                  Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

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

**Input Runstream File:
aermod.inp

**Output Print File:
aermod.out
```

**Detailed Error/Message File: 16285 Cons LST Ph2.err
**File for Summary of Results: 16285 Cons LST Ph2.sum
*** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/18/25
*** AERMET - VERSION 22112 *** *** ***
13:37:38

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER INIT. PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	AIRCRAFT ELEV. (METERS)	AIRCRAFT HEIGHT (METERS)	BASE SY (METERS)	RELEASE INIT. SZ (METERS)	URBAN SOURCE	SOURCE SCALAR VARY BY
VOL22	0	0.10000E+01	441946.5	3761568.3	207.6	5.00	26.72	1.40	YES	HRDOW
VOL23	0	0.10000E+01	441831.9	3761567.9	206.4	5.00	26.72	1.40	YES	HRDOW
VOL24	0	0.10000E+01	441719.1	3761570.4	206.3	5.00	26.72	1.40	YES	HRDOW
VOL25	0	0.10000E+01	441605.1	3761567.6	206.4	5.00	26.72	1.40	YES	HRDOW
VOL26	0	0.10000E+01	441489.2	3761568.7	206.7	5.00	26.72	1.40	YES	HRDOW
VOL27	0	0.10000E+01	441372.1	3761570.9	206.4	5.00	26.72	1.40	YES	HRDOW
VOL28	0	0.10000E+01	441256.1	3761572.0	206.6	5.00	26.72	1.40	YES	HRDOW
VOL29	0	0.10000E+01	441256.1	3761340.1	204.8	5.00	26.72	1.40	YES	HRDOW
VOL30	0	0.10000E+01	441371.0	3761339.1	205.1	5.00	26.72	1.40	YES	HRDOW
VOL31	0	0.10000E+01	441485.9	3761340.1	202.9	5.00	26.72	1.40	YES	HRDOW
VOL32	0	0.10000E+01	441600.8	3761335.8	205.5	5.00	26.72	1.40	YES	HRDOW
VOL33	0	0.10000E+01	441715.7	3761339.1	205.3	5.00	26.72	1.40	YES	HRDOW
VOL34	0	0.10000E+01	441829.5	3761340.1	205.7	5.00	26.72	1.40	YES	HRDOW
VOL35	0	0.10000E+01	441946.6	3761340.1	206.2	5.00	26.72	1.40	YES	HRDOW
VOL36	0	0.10000E+01	441946.9	3761454.9	208.0	5.00	26.72	1.40	YES	HRDOW
VOL37	0	0.10000E+01	441831.4	3761454.3	207.9	5.00	26.72	1.40	YES	HRDOW
VOL38	0	0.10000E+01	441716.1	3761453.9	207.4	5.00	26.72	1.40	YES	HRDOW
VOL39	0	0.10000E+01	441602.7	3761452.3	206.6	5.00	26.72	1.40	YES	HRDOW
VOL40	0	0.10000E+01	441489.0	3761456.1	205.8	5.00	26.72	1.40	YES	HRDOW
VOL41	0	0.10000E+01	441373.8	3761454.7	206.5	5.00	26.72	1.40	YES	HRDOW

```
 VOL42            0   0.10000E+01  441257.6 3761455.4   206.7     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL43            0   0.10000E+01  441945.1 3761683.2   208.6     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL44            0   0.10000E+01  441830.5 3761682.8   208.5     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL45            0   0.10000E+01  441717.8 3761685.2   207.4     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL46            0   0.10000E+01  441603.8 3761682.5   208.3     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL47            0   0.10000E+01  441487.8 3761683.6   207.6     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL48            0   0.10000E+01  441370.7 3761685.7   207.4     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL49            0   0.10000E+01  441254.7 3761686.8   208.0     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL51            0   0.10000E+01  441825.1 3761753.8   209.2     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL52            0   0.10000E+01  441709.4 3761756.3   208.4     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL53            0   0.10000E+01  441595.3 3761753.5   208.7     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL54            0   0.10000E+01  441479.4 3761754.6   207.9     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL55            0   0.10000E+01  441362.3 3761756.8   208.0     5.00    26.72
 1.40     YES   HRDOW            NO
 VOL56            0   0.10000E+01  441246.3 3761757.9   208.2     5.00    26.72
 1.40     YES   HRDOW            NO
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

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


                                              *** AREAPOLY SOURCE DATA ***

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

 PAREA1           0   0.24144E-05  441191.8 3761286.9   204.3     0.00       9
 1.00     YES   HRDOW            NO
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

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


                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

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

```
852
853     EXH         VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
        VOL27       , VOL28       , VOL29       ,
854
855                 VOL30       , VOL31       , VOL32       , VOL33       , VOL34       ,
                    VOL35       , VOL36       , VOL37       ,
856
857                 VOL38       , VOL39       , VOL40       , VOL41       , VOL42       ,
                    VOL43       , VOL44       , VOL45       ,
858
859                 VOL46       , VOL47       , VOL48       , VOL49       , VOL51       ,
                    VOL52       , VOL53       , VOL54       ,
860
861                 VOL55       , VOL56       ,
862
863     DUST        PAREA1      ,
864   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
865     *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
866
                                  PAGE   5
867     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
868
869
870                                          *** SOURCE IDs DEFINED AS URBAN SOURCES ***
871
872     URBAN ID   URBAN POP                                  SOURCE IDs
873     --------   ---------                                  ----------
874
875
876                 2195611.   VOL22       , VOL23       , VOL24       , VOL25       ,
                    VOL26       , VOL27       , VOL28       ,
877     VOL29       ,
878
879                 VOL30       , VOL31       , VOL32       , VOL33       , VOL34       ,
                    VOL35       , VOL36       , VOL37       ,
880
881                 VOL38       , VOL39       , VOL40       , VOL41       , VOL42       ,
                    VOL43       , VOL44       , VOL45       ,
882
883                 VOL46       , VOL47       , VOL48       , VOL49       , VOL51       ,
                    VOL52       , VOL53       , VOL54       ,
884
885                 VOL55       , VOL56       , PAREA1      ,
886   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
887     *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
888
                                  PAGE   6
889     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
890
891                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
892
893     SOURCE ID = VOL22        ; SOURCE TYPE = VOLUME   :
894      HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
895     - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
896                                              DAY OF WEEK = WEEKDAY
897        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
```

```
898       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
899      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
900                                                 DAY OF WEEK = SATURDAY
901       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
902       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
903      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
904                                                 DAY OF WEEK = SUNDAY
905       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
906       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
907      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
908  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
909       *** AERMET - VERSION  22112 ***
          ***                                                                    ***
          13:37:38
910
                                    PAGE   7
911       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
912
913                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                            WEEK (HRDOW) *
914
915       SOURCE ID = VOL23        ; SOURCE TYPE = VOLUME   :
916        HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
          SCALAR   HOUR   SCALAR   HOUR   SCALAR
917      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     - - - - - - - - - - - - - - - - - - - - - -
918                                                 DAY OF WEEK = WEEKDAY
919       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
920       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
921      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
922                                                 DAY OF WEEK = SATURDAY
923       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
924       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
925      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
926                                                 DAY OF WEEK = SUNDAY
927       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
928       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
929      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
930  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
931       *** AERMET - VERSION  22112 ***
          ***                                                                    ***
          13:37:38
932
                                    PAGE   8
933       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
934
935                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
936
937   SOURCE ID = VOL24        ; SOURCE TYPE = VOLUME   :
938    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
939   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
940                                                DAY OF WEEK = WEEKDAY
941      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
942      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
         .1000E+01   15  .1000E+01   16  .1000E+01
943     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
944                                                DAY OF WEEK = SATURDAY
945      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
946      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
947     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
948                                                DAY OF WEEK = SUNDAY
949      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
950      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
951     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
952   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
953    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
954
                                  PAGE   9
955    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
956
957                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                       WEEK (HRDOW) *
958
959    SOURCE ID = VOL25        ; SOURCE TYPE = VOLUME   :
960    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
961   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
962                                                DAY OF WEEK = WEEKDAY
963      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
964      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
         .1000E+01   15  .1000E+01   16  .1000E+01
965     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
966                                                DAY OF WEEK = SATURDAY
967      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
968      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
969     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
970                                                DAY OF WEEK = SUNDAY
971      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
972      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
973     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 FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

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

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

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

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

```
.0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                       ***
 13:37:38

                             PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL28        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                       ***
 13:37:38

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

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

 SOURCE ID = VOL29        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
```

```
1051       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1052       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1053      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1054                                                DAY OF WEEK = SATURDAY
1055       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1056       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1057      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1058                                                DAY OF WEEK = SUNDAY
1059       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1060       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1061      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1062  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
1063   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
1064
                                  PAGE  14
1065   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1066
1067                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1068
1069   SOURCE ID = VOL30        ; SOURCE TYPE = VOLUME   :
1070    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
1071   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
1072                                                DAY OF WEEK = WEEKDAY
1073       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1074       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1075      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1076                                                DAY OF WEEK = SATURDAY
1077       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1078       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1079      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1080                                                DAY OF WEEK = SUNDAY
1081       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1082       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1083      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1084  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
1085   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
1086
                                  PAGE  15
1087   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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1088
1089                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1090
1091    SOURCE ID = VOL31        ; SOURCE TYPE = VOLUME   :
1092     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1093    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1094                                                DAY OF WEEK = WEEKDAY
1095       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1096       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1097      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1098                                                DAY OF WEEK = SATURDAY
1099       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1100       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1101      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1102                                                DAY OF WEEK = SUNDAY
1103       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1104       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1105      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1106    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
        Eucalyptus BP\16285 Ops H ***        12/18/25
1107     *** AERMET - VERSION  22112 ***
         ***                                                                    ***
         13:37:38
1108
                                    PAGE  16
1109     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1110
1111                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1112
1113    SOURCE ID = VOL32        ; SOURCE TYPE = VOLUME   :
1114     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1115    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1116                                                DAY OF WEEK = WEEKDAY
1117       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1118       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1119      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1120                                                DAY OF WEEK = SATURDAY
1121       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1122       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1123      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1124                                                DAY OF WEEK = SUNDAY
1125       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1126       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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1127      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1128   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
1129    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
1130
                                    PAGE  17
1131    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1132
1133                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1134
1135    SOURCE ID = VOL33        ; SOURCE TYPE = VOLUME   :
1136     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1137    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1138                                                DAY OF WEEK = WEEKDAY
1139       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1140       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1141      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1142                                                DAY OF WEEK = SATURDAY
1143       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1144       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1145      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1146                                                DAY OF WEEK = SUNDAY
1147       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1148       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1149      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1150   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
1151    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
1152
                                    PAGE  18
1153    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1154
1155                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1156
1157    SOURCE ID = VOL34        ; SOURCE TYPE = VOLUME   :
1158     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1159    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1160                                                DAY OF WEEK = WEEKDAY
1161       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1162       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1163      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1164                                                DAY OF WEEK = SATURDAY
1165       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 13:37:38

                              PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL35        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 13:37:38

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

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

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

```
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 13:37:38

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

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

 SOURCE ID = VOL37        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 13:37:38

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

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/18/25

*** AERMET - VERSION 22112 ***

*** ***

13:37:38

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

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

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```
1280       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1281      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1282   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
1283    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
1284
                                    PAGE  24
1285    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1286
1287                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1288
1289    SOURCE ID = VOL40        ; SOURCE TYPE = VOLUME   :
1290     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1291    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1292                                                DAY OF WEEK = WEEKDAY
1293       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1294       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1295      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1296                                                DAY OF WEEK = SATURDAY
1297       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1298       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1299      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1300                                                DAY OF WEEK = SUNDAY
1301       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1302       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1303      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1304   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
1305    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
1306
                                    PAGE  25
1307    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1308
1309                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1310
1311    SOURCE ID = VOL41        ; SOURCE TYPE = VOLUME   :
1312     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1313    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1314                                                DAY OF WEEK = WEEKDAY
1315       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1316       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1317      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

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

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

 SOURCE ID = VOL42        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

                              PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 13:37:38

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

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

 SOURCE ID = VOL44        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
```

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    13:37:38
1394
                                PAGE  29
1395  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1396
1397                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1398
1399  SOURCE ID = VOL45        ; SOURCE TYPE = VOLUME   :
1400   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
1401  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
1402                                                DAY OF WEEK = WEEKDAY
1403     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
1404     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
         .1000E+01   15  .1000E+01   16  .1000E+01
1405    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
1406                                                DAY OF WEEK = SATURDAY
1407     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
1408     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
1409    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
1410                                                DAY OF WEEK = SUNDAY
1411     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
1412     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
1413    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
1414  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
1415   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
1416
                                PAGE  30
1417  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1418
1419                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1420
1421  SOURCE ID = VOL46        ; SOURCE TYPE = VOLUME   :
1422   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
1423  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
1424                                                DAY OF WEEK = WEEKDAY
1425     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
1426     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
         .1000E+01   15  .1000E+01   16  .1000E+01
1427    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
1428                                                DAY OF WEEK = SATURDAY
1429     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
1430     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
1431    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
1432                                                DAY OF WEEK = SUNDAY
```

```
1433       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1434       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1435      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1436   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
1437    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
1438
                                    PAGE  31
1439    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1440
1441                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1442
1443    SOURCE ID = VOL47        ; SOURCE TYPE = VOLUME   :
1444     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1445    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1446                                                DAY OF WEEK = WEEKDAY
1447       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1448       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1449      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1450                                                DAY OF WEEK = SATURDAY
1451       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1452       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1453      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1454                                                DAY OF WEEK = SUNDAY
1455       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1456       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1457      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
1458   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
1459    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
1460
                                    PAGE  32
1461    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1462
1463                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1464
1465    SOURCE ID = VOL48        ; SOURCE TYPE = VOLUME   :
1466     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1467    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
1468                                                DAY OF WEEK = WEEKDAY
1469       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1470       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
```

```
1471      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1472                                                DAY OF WEEK = SATURDAY
1473       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1474       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1475      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1476                                                DAY OF WEEK = SUNDAY
1477       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1478       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1479      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1480  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
1481   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
1482
                                  PAGE  33
1483   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1484
1485                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1486
1487   SOURCE ID = VOL49        ; SOURCE TYPE = VOLUME   :
1488    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
1489   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
1490                                                DAY OF WEEK = WEEKDAY
1491       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1492       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
1493      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1494                                                DAY OF WEEK = SATURDAY
1495       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1496       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1497      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1498                                                DAY OF WEEK = SUNDAY
1499       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1500       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1501      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1502  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
1503   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
1504
                                  PAGE  34
1505   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1506
1507                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1508
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 SOURCE ID = VOL51        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

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

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

 SOURCE ID = VOL52        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
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1547    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
1548
                                    PAGE  36
1549    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1550
1551                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1552
1553    SOURCE ID = VOL53        ; SOURCE TYPE = VOLUME   :
1554     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1555    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - - -
1556                                                  DAY OF WEEK = WEEKDAY
1557       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1558       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1559      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1560                                                  DAY OF WEEK = SATURDAY
1561       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1562       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1563      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1564                                                  DAY OF WEEK = SUNDAY
1565       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1566       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1567      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1568    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
        Eucalyptus BP\16285 Ops H ***        12/18/25
1569     *** AERMET - VERSION  22112 ***
         ***                                                                   ***
         13:37:38
1570
                                    PAGE  37
1571    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1572
1573                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
1574
1575    SOURCE ID = VOL54        ; SOURCE TYPE = VOLUME   :
1576     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
1577    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - - -
1578                                                  DAY OF WEEK = WEEKDAY
1579       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1580       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .1000E+01
1581      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1582                                                  DAY OF WEEK = SATURDAY
1583       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
1584       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
1585      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

```
      .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 13:37:38

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

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

 SOURCE ID = VOL55        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 13:37:38

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

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

 SOURCE ID = VOL56        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
```

```
1624       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
1625      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1626                                                DAY OF WEEK = SATURDAY
1627       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1628       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1629      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1630                                                DAY OF WEEK = SUNDAY
1631       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1632       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1633      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1634  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
1635   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
1636
                                  PAGE  40
1637   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1638
1639                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
1640
1641   SOURCE ID = PAREA1       ; SOURCE TYPE = AREAPOLY :
1642    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
1643   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
1644                                                DAY OF WEEK = WEEKDAY
1645       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1646       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
1647      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1648                                                DAY OF WEEK = SATURDAY
1649       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1650       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1651      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1652                                                DAY OF WEEK = SUNDAY
1653       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
1654       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
1655      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
1656  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
1657   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
1658
                                  PAGE  41
1659   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1660
1661                                                *** DISCRETE CARTESIAN RECEPTORS ***
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(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(441160.1, 3761626.8, 207.1, 207.1, 2.0); (441165.2, 3761603.4, 206.9, 206.9, 2.0);
(440769.5, 3761316.4, 204.2, 204.2, 2.0); (440885.1, 3761233.7, 203.9, 203.9, 2.0);
(440943.0, 3761237.4, 204.1, 204.1, 2.0); (440769.6, 3761295.0, 204.0, 204.0, 2.0);
(441264.8, 3761237.8, 204.2, 204.2, 2.0); (441396.4, 3761228.1, 204.2, 204.2, 2.0);
(441633.9, 3761229.5, 205.0, 205.0, 2.0); (441839.4, 3761231.3, 205.3, 205.3, 2.0);
(442193.3, 3761092.3, 204.6, 204.6, 2.0); (442736.3, 3761091.7, 204.8, 204.8, 2.0);
(442867.1, 3761089.4, 204.8, 204.8, 2.0); (443107.8, 3761253.3, 207.5, 207.5, 2.0);
(443327.7, 3761050.9, 207.4, 207.4, 2.0); (441881.3, 3762001.4, 211.9, 211.9, 2.0);
(440583.1, 3761320.9, 204.2, 204.2, 2.0); (440579.8, 3761299.8, 204.0, 204.0, 2.0);
(440431.9, 3761496.3, 205.5, 205.5, 2.0); (440335.2, 3761292.1, 203.4, 203.4, 2.0);
(440356.1, 3761232.2, 203.0, 203.0, 2.0); (439969.5, 3761230.1, 201.8, 201.8, 2.0);
(439868.6, 3761297.1, 202.8, 202.8, 2.0); (439865.3, 3761245.2, 202.3, 202.3, 2.0);
(440229.8, 3761288.7, 203.2, 203.2, 2.0); (439957.8, 3761363.2, 203.3, 203.3, 2.0);
(439870.7, 3761572.0, 205.6, 205.6, 2.0); (439930.6, 3761556.5, 205.6, 205.6, 2.0);
(439870.7, 3761839.4, 207.7, 207.7, 2.0); (439924.7, 3761957.0, 209.3, 209.3, 2.0);
(439924.3, 3762099.7, 210.4, 210.4, 2.0); (439863.6, 3762112.3, 210.4, 210.4, 2.0);
(439873.3, 3762554.9, 215.7, 215.7, 2.0); (439874.8, 3762661.3, 217.0, 217.0, 2.0);
(439927.5, 3762571.1, 216.2, 216.2, 2.0); (439942.6, 3762649.5, 217.4, 217.4, 2.0);
(439874.2, 3763087.6, 222.5, 2697.3, 2.0); (439872.6, 3763272.5, 224.9, 2697.3, 2.0);
(439876.3, 3763332.4, 225.7, 2697.3, 2.0); (439874.2, 3763445.8, 226.7, 2697.3, 2.0);
(439861.7, 3763702.3, 228.8, 2697.3, 2.0); (439875.1, 3763945.4, 231.1, 2697.3, 2.0);
(440074.3, 3763727.0, 229.9, 2697.3, 2.0); (439872.6, 3764008.2, 231.9, 2697.3, 2.0);
(439873.8, 3764196.5, 234.9, 2697.3, 2.0); (439945.0, 3764712.1, 241.3, 2697.3, 2.0);
(439880.1, 3764775.7, 242.4, 2697.3, 2.0); (439880.5, 3764900.8, 244.2, 2697.3, 2.0);
(439945.0, 3764933.9, 244.6, 2697.3, 2.0); (439951.2, 3765049.8, 246.2, 2697.3, 2.0);
(439880.1, 3765027.6, 245.7, 2697.3, 2.0); (439951.7, 3765276.2, 249.0, 2697.3, 2.0);
(439875.5, 3765270.8, 248.0, 2697.3, 2.0); (439874.5, 3765815.9, 254.7, 2697.3, 2.0);
(440004.8, 3765814.7, 255.3, 2697.3, 2.0); (439865.4, 3760870.3, 198.7, 198.7, 2.0);
(439781.4, 3760421.5, 193.4, 193.4, 2.0); (439860.5, 3760191.1, 191.6, 191.6, 2.0);
(439923.1, 3757937.3, 174.7, 174.7, 2.0); (438973.4, 3754580.5, 178.9, 369.3, 2.0);
(439631.1, 3762694.5, 217.3, 217.3, 2.0); (442816.7, 3761641.1, 208.8, 208.8, 2.0);
(442840.5, 3762023.1, 212.1, 212.1, 2.0); (442844.8,

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      3762050.7,     212.6,     212.6,       2.0);
1697  (  443047.8, 3762051.3,     212.7,     212.7,       2.0);         (  443029.0,
      3762020.3,     212.2,     212.2,       2.0);
1698  (  443122.6, 3762052.8,     212.8,     212.8,       2.0);         (  443438.8,
      3762060.8,     214.3,     214.3,       2.0);
1699  (  443421.5, 3762034.5,     213.9,     213.9,       2.0);         (  443872.9,
      3762120.0,     216.1,     216.1,       2.0);
1700  (  444355.8, 3762116.9,     217.5,     217.5,       2.0);         (  445022.6,
      3761786.0,     213.6,     213.6,       2.0);
1701  (  445316.7, 3762043.1,     217.2,     217.2,       2.0);         (  445303.9,
      3761970.2,     216.4,     216.4,       2.0);
1702  (  445607.2, 3762043.1,     218.4,     218.4,       2.0);         (  445882.1,
      3762042.1,     218.6,     218.6,       2.0);
1703  (  446067.7, 3761982.5,     218.7,     218.7,       2.0);         (  446058.9,
      3762058.3,     219.7,     219.7,       2.0);
1704  (  446255.2, 3762062.1,     219.9,     219.9,       2.0);         (  446484.2,
      3762227.1,     221.2,     221.2,       2.0);
1705  (  446439.9, 3762290.6,     222.0,    2697.3,       2.0);         (  446749.2,
      3762427.5,     224.0,    2697.3,       2.0);
1706  (  446844.3, 3762432.2,     222.5,    2697.3,       2.0);         (  447224.7,
      3762429.5,     223.9,    2697.3,       2.0);
1707  (  447272.4, 3762441.7,     223.6,    2697.3,       2.0);         (  446893.4,
      3762355.1,     222.3,    2697.3,       2.0);
1708  (  447657.6, 3762177.9,     222.7,     222.7,       2.0);         (  439164.0,
      3762679.5,     215.5,     215.5,       2.0);
1709  (  442309.7, 3758691.6,     188.5,     188.5,       2.0);         (  441607.6,
      3758831.7,     186.8,     186.8,       2.0);
1710  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
1711   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
1712
                                PAGE  42
1713   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1714
1715                                              *** DISCRETE CARTESIAN RECEPTORS ***
1716                                            (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
1717                                                        (METERS)
1718
1719      (  442346.3, 3758837.4,     190.3,     190.3,       2.0);         (  442782.9,
      3758835.7,     190.9,     190.9,       2.0);
1720      (  443526.5, 3758833.3,     191.7,     191.7,       2.0);         (  441007.8,
      3758832.8,     184.8,     184.8,       2.0);
1721      (  442754.6, 3761604.6,     208.7,     208.7,       2.0);         (  442733.1,
      3762008.7,     212.4,     212.4,       2.0);
1722      (  442555.0, 3762014.4,     212.8,     212.8,       2.0);         (  442372.4,
      3762032.7,     213.0,     213.0,       2.0);
1723      (  442471.3, 3762020.1,     214.1,     214.1,       2.0);         (  442309.0,
      3762003.2,     212.4,     212.4,       2.0);
1724      (  442267.2, 3762011.9,     212.5,     212.5,       2.0);         (  442157.9,
      3762010.7,     211.7,     211.7,       2.0);
1725      (  442023.5, 3762012.6,     211.7,     211.7,       2.0);         (  441918.4,
      3762014.9,     211.7,     211.7,       2.0);
1726      (  441564.9, 3762038.2,     210.7,     210.7,       2.0);         (  441257.3,
      3761984.8,     210.4,     210.4,       2.0);
1727      (  441170.8, 3762020.0,     210.5,     210.5,       2.0);         (  440928.2,
      3762012.3,     211.3,     211.3,       2.0);
1728      (  440604.7, 3762011.0,     210.7,     210.7,       2.0);         (  440672.3,
      3761517.5,     205.9,     205.9,       2.0);
1729      (  441025.9, 3761624.9,     206.9,     206.9,       2.0);         (  442535.6,
      3761712.0,     210.0,     210.0,       2.0);
1730      (  442605.0, 3761609.9,     209.0,     209.0,       2.0);         (  441172.2,
      3761390.4,     205.1,     205.1,       2.0);
1731      (  441225.7, 3761841.8,     208.9,     208.9,
      2.0);
```

```
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***   ***                                                                          ***
 13:37:38

                             PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                            *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.



                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                           (METERS/SEC)

                                                 1.54,   3.09,   5.14,   8.23,  10.80,
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***   ***                                                                          ***
 13:37:38

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

                                   *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:   KCNO_V11_trimmed.sfc                                          Met Version:  22112
   Profile file:   KCNO_V11_trimmed.PFL
   Surface format: FREE

   Profile format: FREE

   Surface station no.:     3179                  Upper air station no.:     3190
                  Name: UNKNOWN                                   Name: UNKNOWN
                  Year:   2017                                    Year:   2017
```

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
17	01	01	1	01	-17.3	0.174	-9.000	-9.000	-999.	175.	33.5	0.02	0.54	1.00	2.86	261.	7.9	279.2	2.0
17	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.05	0.54	1.00	0.00	0.	7.9	279.2	2.0
17	01	01	1	03	-18.3	0.185	-9.000	-9.000	-999.	191.	37.7	0.11	0.54	1.00	2.09	340.	7.9	279.2	2.0
17	01	01	1	04	-5.5	0.091	-9.000	-9.000	-999.	70.	12.0	0.02	0.54	1.00	1.52	89.	7.9	279.2	2.0
17	01	01	1	05	-12.5	0.150	-9.000	-9.000	-999.	139.	24.7	0.14	0.54	1.00	1.62	13.	7.9	277.5	2.0
17	01	01	1	06	-9.0	0.126	-9.000	-9.000	-999.	107.	19.4	0.12	0.54	1.00	1.43	317.	7.9	277.5	2.0
17	01	01	1	07	-3.0	0.067	-9.000	-9.000	-999.	43.	9.0	0.02	0.54	1.00	1.13	255.	7.9	277.0	2.0
17	01	01	1	08	-5.8	0.097	-9.000	-9.000	-999.	73.	14.0	0.02	0.54	0.53	1.60	93.	7.9	277.5	2.0
17	01	01	1	09	22.2	0.091	0.366	0.005	78.	66.	-3.0	0.02	0.54	0.31	0.97	35.	7.9	280.3	2.0
17	01	01	1	10	54.8	0.172	0.954	0.005	559.	172.	-8.2	0.02	0.54	0.24	2.11	70.	7.9	283.8	2.0
17	01	01	1	11	76.8	0.224	1.251	0.005	899.	254.	-12.9	0.02	0.54	0.21	2.83	99.	7.9	285.9	2.0
17	01	01	1	12	73.6	0.126	1.297	0.005	1045.	111.	-2.4	0.02	0.54	0.20	1.31	107.	7.9	285.9	2.0
17	01	01	1	13	86.2	0.147	1.404	0.005	1133.	135.	-3.3	0.02	0.54	0.20	1.60	234.	7.9	286.4	2.0
17	01	01	1	14	62.5	0.198	1.284	0.005	1194.	211.	-10.9	0.02	0.54	0.21	2.49	291.	7.9	288.1	2.0
17	01	01	1	15	42.3	0.319	1.138	0.005	1231.	433.	-67.8	0.02	0.54	0.25	4.65	247.	7.9	286.4	2.0
17	01	01	1	16	1.0	0.222	0.331	0.005	1232.	256.	-941.4	0.02	0.54	0.34	3.40	241.	7.9	286.4	2.0
17	01	01	1	17	-14.2	0.170	-9.000	-9.000	-999.	170.	31.9	0.02	0.54	0.61	2.69	233.	7.9	285.9	2.0
17	01	01	1	18	-16.2	0.167	-9.000	-9.000	-999.	164.	30.6	0.02	0.54	1.00	2.74	250.	7.9	285.3	2.0
17	01	01	1	19	-25.0	0.257	-9.000	-9.000	-999.	312.	72.6	0.02	0.54	1.00	4.14	243.	7.9	284.8	2.0
17	01	01	1	20	-22.6	0.232	-9.000	-9.000	-999.	269.	59.3	0.02	0.54	1.00	3.63	226.	7.9	284.8	2.0
17	01	01	1	21	-14.9	0.156	-9.000	-9.000	-999.	149.	26.7	0.03	0.54	1.00	2.28	151.	7.9	284.2	2.0
17	01	01	1	22	-15.7	0.169	-9.000	-9.000	-999.	167.	31.5	0.14	0.54	1.00	1.81	14.	7.9	283.8	2.0
17	01	01	1	23	-7.9	0.117	-9.000	-9.000	-999.	97.	18.1	0.11	0.54	1.00	1.37	358.	7.9	283.8	2.0
17	01	01	1	24	-7.7	0.108	-9.000	-9.000	-999.	85.	14.6	0.02	0.54	1.00	1.77	94.	7.9	282.5	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
17	01	01	01	7.9	1	261.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

FF *** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/18/25

*** AERMET - VERSION 22112 ***

*** ***

13:37:38

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: EXH ***
INCLUDING SOURCE(S): VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , VOL29 , VOL30 , VOL31 ,
VOL32 , VOL33 , VOL34 ,
VOL35 , VOL36 , VOL37 , VOL38 , VOL39 ,
VOL40 , VOL41 , VOL42 ,
VOL43 , VOL44 , VOL45 , VOL46 , VOL47 ,
VOL48 , VOL49 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
441160.11	3761626.78	1402.21835	(21122916)	441165.19	3761603.44	1273.16723	(21122916)
440769.54	3761316.44	376.04149	(21122916)	440885.08	3761233.72	590.38009	(21122916)
440942.99	3761237.37	690.70296	(21122916)	440769.57	3761294.98	392.58169	(21122916)
441264.79	3761237.83	1249.17059	(21122916)	441396.39	3761228.15	1038.80550	(21122916)
441633.90	3761229.53	922.51481	(22120216)	441839.43	3761231.28	836.04170	(22120216)
442193.26	3761092.32	382.73891	(21121316)	442736.29	3761091.73	230.00136	(21121316)
442867.08	3761089.40	177.35759	(21121316)	443107.85	3761253.32	144.39582	(22122916)
443327.70	3761050.95	97.41513	(22122916)	441881.29	3762001.44	421.31392	(21122816)
440583.15	3761320.92	244.21545	(21122316)	440579.83	3761299.75	247.46393	(21122316)
440431.88	3761496.28	242.82597	(18120516)	440335.22	3761292.06	175.46466	(21122316)
440356.14	3761232.22	195.07553	(21122316)	439969.47	3761230.13	114.73556	(21122316)
439868.62	3761297.08	114.77683	(23010316)	439865.27	3761245.19	107.68664	(23010316)
440229.76	3761288.71	149.94321	(21122316)	439957.76	3761363.20	126.28140	(23010316)
439870.71	3761572.02	168.93739	(18120516)	439930.56	3761556.53	173.47808	(18120516)
439870.71	3761839.42	139.05516	(18120516)	439924.70	3761957.01	91.69043	(18120516)
439924.28	3762099.71	58.89637	(23120516)	439863.60	3762112.26	55.66053	(18120616)
439873.26	3762554.88	49.59173	(18110609)	439874.80	3762661.28	47.22536	(18110609)
439927.48	3762571.08	50.49796	(18110609)	439942.64	3762649.46	47.52420	(18110609)
439874.24	3763087.57	37.68435	(21083109)	439872.56	3763272.54	38.33944	(21020109)
439876.33	3763332.38	38.34760	(21020109)	439874.24	3763445.79	37.46932	(21020109)
439861.68	3763702.32	33.14826	(18010816)	439875.08	3763945.45	31.69330	(17122509)

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1844          440074.27   3763727.01       33.82411  (17122509)                439872.56
              3764008.22        31.37573  (17122509)
1845          439873.82   3764196.54       29.68499  (17122509)                439944.96
              3764712.10        29.40115  (22123009)
1846          439880.10   3764775.71       28.85190  (22123009)                439880.52
              3764900.83        28.47233  (22123009)
1847          439944.96   3764933.89       28.18654  (22123009)                439951.24
              3765049.81        27.16464  (22123009)
1848          439880.10   3765027.63       27.77939  (22123009)                439951.66
              3765276.21        26.50885  (23122909)
1849          439875.49   3765270.77       25.83398  (22123009)                439874.50
              3765815.86        25.96696  (23122909)
1850          440004.83   3765814.70       26.22367  (23122909)                439865.36
              3760870.32       124.17557  (21122316)
1851          439781.42   3760421.48      133.63686  (21122916)                439860.47
              3760191.14        82.98221  (21122916)
1852          439923.10   3757937.26       22.96062  (21120809)                438973.38
              3754580.48        15.01477  (22040409)
1853          439631.09   3762694.55       44.18661  (18110609)                442816.66
              3761641.08       142.72999  (23121916)
1854          442840.46   3762023.13      132.34485  (23122116)                442844.83
              3762050.67       124.95581  (23122116)
1855          443047.82   3762051.32      111.39945  (23122116)                443029.03
              3762020.29       115.86700  (23122116)
1856          443122.56   3762052.85      105.44144  (23122116)                443438.77
              3762060.83        79.91585  (23122116)
1857          443421.50   3762034.46       79.86126  (23122116)                443872.88
              3762119.96        53.37305  (23122116)
1858          444355.79   3762116.93       34.37350  (17053010)                445022.64
              3761785.97        30.75158  (23091509)
1859          445316.67   3762043.06       27.46781  (23012509)                445303.86
              3761970.17        28.31564  (23012509)
1860          445607.24   3762043.06       26.44584  (23012509)                445882.06
              3762042.08        25.49892  (23012509)
1861          446067.74   3761982.48       25.12152  (23012509)                446058.87
              3762058.33        24.79844  (23012509)
1862          446255.23   3762062.11       24.15015  (23012509)                446484.25
              3762227.10        22.14554  (23012509)
1863     FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
1864      *** AERMET - VERSION  22112 ***
          ***                                                                  ***
          13:37:38
1865
                                    PAGE  46
1866      *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1867
1868                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                    FOR SOURCE GROUP:  EXH      ***
1869                                    INCLUDING SOURCE(S):     VOL22       , VOL23       ,
                                        VOL24       , VOL25       , VOL26       ,
1870                    VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
                        VOL32       , VOL33       , VOL34       ,
1871                    VOL35       , VOL36       , VOL37       , VOL38       , VOL39       ,
                        VOL40       , VOL41       , VOL42       ,
1872                    VOL43       , VOL44       , VOL45       , VOL46       , VOL47       ,
                        VOL48       , VOL49       ,  . . .      ,
1873
1874                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***
1875
1876                                    ** CONC OF OTHER    IN
                                        MICROGRAMS/M**3                          **
1877
1878           X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
               Y-COORD (M)        CONC     (YYMMDDHH)
1879      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 - - - - - - - - - - - - - - - - - - - - - - -
        446439.92   3762290.63       22.43465  (17053010)                446749.22
        3762427.55       22.47481  (17053010)
        446844.30   3762432.18       22.08749  (17053010)                447224.68
        3762429.46       20.32174  (17053010)
        447272.39   3762441.73       20.25354  (17053010)                446893.38
        3762355.15       20.94191  (17053010)
        447657.60   3762177.92       20.05592  (23012509)                439164.02
        3762679.50       33.41405  (23022710)
        442309.67   3758691.58       29.54277  (17020309)                441607.59
        3758831.67       28.81396  (17020612)
        442346.32   3758837.37       32.20195  (17103110)                442782.88
        3758835.74       35.24690  (21123016)
        443526.49   3758833.30       24.81156  (23010410)                441007.77
        3758832.80       37.68788  (22120216)
        442754.64   3761604.62      178.09573  (23121916)                442733.11
        3762008.67      144.86816  (23122116)
        442555.03   3762014.43      178.47563  (23111516)                442372.42
        3762032.69      264.23895  (23111516)
        442471.33   3762020.14      218.99624  (23111516)                442309.05
        3762003.23      299.61130  (23111516)
        442267.23   3762011.88      314.60859  (23111516)                442157.88
        3762010.71      367.72318  (21122716)
        442023.53   3762012.58      419.75710  (21122716)                441918.37
        3762014.94      409.17637  (21122716)
        441564.90   3762038.22      485.92385  (22123016)                441257.28
        3761984.82      559.70355  (22123016)
        441170.84   3762020.05      490.50765  (22123016)                440928.18
        3762012.31      201.77858  (18120316)
        440604.66   3762010.98      141.31615  (23120516)                440672.33
        3761517.55      325.86044  (18120516)
        441025.88   3761624.94      608.10264  (23010316)                442535.61
        3761711.99      197.27408  (18111916)
        442605.00   3761609.90      225.63511  (23121916)                441172.19
        3761390.40     1670.63556  (21122916)
        441225.70   3761841.77     1363.84701
        (22123016)

FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 13:37:38

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

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                             FOR SOURCE GROUP:  DUST     ***
                                 INCLUDING SOURCE(S):     PAREA1      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF OTHER    IN
                                       MICROGRAMS/M**3                           **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
      Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
        441160.11   3761626.78       42.06499  (21122916)                441165.19
        3761603.44       46.62943  (21122916)
        440769.54   3761316.44       13.16672  (21122316)                440885.08
        3761233.72       19.60648  (21122916)
        440942.99   3761237.37       23.24976  (21122916)                440769.57
        3761294.98       13.36300  (21122316)
```

1915	441264.79	3761237.83	42.83009	(21122916)	441396.39
	3761228.15	36.17058	(21122916)		
1916	441633.90	3761229.53	34.67295	(22120216)	441839.43
	3761231.28	32.04673	(22120216)		
1917	442193.26	3761092.32	18.84570	(21121316)	442736.29
	3761091.73	11.34950	(21121316)		
1918	442867.08	3761089.40	8.22717	(21121316)	443107.85
	3761253.32	5.11628	(22122916)		
1919	443327.70	3761050.95	3.98552	(18010509)	441881.29
	3762001.44	14.17205	(21122716)		
1920	440583.15	3761320.92	9.92226	(21122316)	440579.83
	3761299.75	10.16633	(21122316)		
1921	440431.88	3761496.28	11.38767	(18120516)	440335.22
	3761292.06	7.15761	(21122316)		
1922	440356.14	3761232.22	8.28089	(21122316)	439969.47
	3761230.13	4.52064	(21122316)		
1923	439868.62	3761297.08	4.07836	(23010316)	439865.27
	3761245.19	4.14772	(17010509)		
1924	440229.76	3761288.71	6.01697	(21122316)	439957.76
	3761363.20	4.32396	(23010316)		
1925	439870.71	3761572.02	8.35400	(18120516)	439930.56
	3761556.53	8.53905	(18120516)		
1926	439870.71	3761839.42	6.01735	(18120516)	439924.70
	3761957.01	4.25210	(23120609)		
1927	439924.28	3762099.71	4.15434	(23120609)	439863.60
	3762112.26	4.11256	(23120609)		
1928	439873.26	3762554.88	3.00853	(17031009)	439874.80
	3762661.28	3.04050	(18013110)		
1929	439927.48	3762571.08	3.01597	(17031009)	439942.64
	3762649.46	3.12396	(18013110)		
1930	439874.24	3763087.57	3.20430	(23011110)	439872.56
	3763272.54	3.11991	(23011110)		
1931	439876.33	3763332.38	3.00967	(23011110)	439874.24
	3763445.79	2.85724	(17030909)		
1932	439861.68	3763702.32	2.75776	(17030909)	439875.08
	3763945.45	2.46251	(21122009)		
1933	440074.27	3763727.01	2.55111	(17021410)	439872.56
	3764008.22	2.40675	(21122009)		
1934	439873.82	3764196.54	2.35000	(23121209)	439944.96
	3764712.10	2.70563	(23121209)		
1935	439880.10	3764775.71	2.68742	(23121209)	439880.52
	3764900.83	2.60560	(23121209)		
1936	439944.96	3764933.89	2.49246	(23121209)	439951.24
	3765049.81	2.32814	(23121209)		
1937	439880.10	3765027.63	2.48372	(23121209)	439951.66
	3765276.21	2.29655	(17013109)		
1938	439875.49	3765270.77	2.22462	(17013109)	439874.50
	3765815.86	2.11385	(17013109)		
1939	440004.83	3765814.70	1.95795	(22012509)	439865.36
	3760870.32	6.38384	(21122316)		
1940	439781.42	3760421.48	5.14245	(21122916)	439860.47
	3760191.14	3.10318	(17122510)		
1941	439923.10	3757937.26	1.98884	(17121909)	438973.38
	3754580.48	1.25783	(21010609)		
1942	439631.09	3762694.55	2.84060	(17031009)	442816.66
	3761641.08	4.63746	(23121916)		
1943	442840.46	3762023.13	4.48128	(18111916)	442844.83
	3762050.67	4.20004	(18111916)		
1944	443047.82	3762051.32	4.09636	(22122309)	443029.03
	3762020.29	4.12831	(22122309)		
1945	443122.56	3762052.85	4.02638	(22122309)	443438.77
	3762060.83	3.53423	(23011109)		
1946	443421.50	3762034.46	3.63782	(23011109)	443872.88
	3762119.96	3.37204	(23011109)		
1947	444355.79	3762116.93	3.08331	(23011109)	445022.64
	3761785.97	2.50317	(22011909)		

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          445316.67   3762043.06        2.85535  (23121109)                445303.86
          3761970.17        2.79009  (23121109)
          445607.24   3762043.06        2.70609  (23121109)                445882.06
          3762042.08        2.55790  (23121109)
          446067.74   3761982.48        2.34009  (23121109)                446058.87
          3762058.33        2.48732  (23121109)
          446255.23   3762062.11        2.39188  (23121109)                446484.25
          3762227.10        2.42599  (23121109)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

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

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  DUST     ***
                                    INCLUDING SOURCE(S):     PAREA1      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF OTHER    IN
                                              MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
      Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
          446439.92   3762290.63        2.41035  (23121109)                446749.22
          3762427.55        2.21182  (23121109)
          446844.30   3762432.18        2.20310  (23121109)                447224.68
          3762429.46        2.17831  (23121109)
          447272.39   3762441.73        2.16246  (23121109)                446893.38
          3762355.15        2.28261  (23121109)
          447657.60   3762177.92        1.95100  (23121109)                439164.02
          3762679.50        3.33502  (17122009)
          442309.67   3758691.58        2.26825  (18121109)                441607.59
          3758831.67        2.45886  (17112409)
          442346.32   3758837.37        2.29498  (17111610)                442782.88
          3758835.74        2.11786  (18013109)
          443526.49   3758833.30        2.73391  (21021009)                441007.77
          3758832.80        2.07069  (21010810)
          442754.64   3761604.62        5.87249  (23121916)                442733.11
          3762008.67        4.82268  (18111916)
          442555.03   3762014.43        5.95680  (23111516)                442372.42
          3762032.69        8.62205  (21122716)
          442471.33   3762020.14        7.43727  (23111516)                442309.05
          3762003.23       10.02552  (21122716)
          442267.23   3762011.88       11.02628  (21122716)                442157.88
          3762010.71       12.21595  (21122716)
          442023.53   3762012.58       13.72581  (21122716)                441918.37
          3762014.94       13.92847  (21122716)
          441564.90   3762038.22       14.75263  (22123016)                441257.28
          3761984.82       17.54509  (22123016)
          441170.84   3762020.05       15.50199  (22123016)                440928.18
          3762012.31        6.75388  (18120316)
          440604.66   3762010.98        5.28014  (22011316)                440672.33
          3761517.55       14.23206  (18120516)
          441025.88   3761624.94       23.54481  (18120516)                442535.61
          3761711.99        6.90564  (18111916)
          442605.00   3761609.90        7.23024  (23121916)                441172.19
          3761390.40       64.59849  (21122916)
          441225.70   3761841.77       35.04243
          (22123016)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: EXH ***
INCLUDING SOURCE(S): VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL32 , VOL33 , VOL34 ,
VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 , VOL41 , VOL42 ,
VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 , VOL49 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
441160.11	3761626.78	462.97758	(23010316)	441165.19	3761603.44	493.58206	(17021716)
440769.54	3761316.44	107.67266	(23010316)	440885.08	3761233.72	131.36469	(23010316)
440942.99	3761237.37	154.94745	(23010316)	440769.57	3761294.98	107.34975	(23010316)
441264.79	3761237.83	382.11532	(21122916)	441396.39	3761228.15	368.02144	(21122916)
441633.90	3761229.53	360.04209	(21123016)	441839.43	3761231.28	330.54576	(21123016)
442193.26	3761092.32	100.97976	(23121316)	442736.29	3761091.73	39.81105c	(18030216)
442867.08	3761089.40	35.81599c	(18030216)	443107.85	3761253.32	29.63522	(22122916)
443327.70	3761050.95	23.39570c	(18030216)	441881.29	3762001.44	176.19622	(21122816)
440583.15	3761320.92	68.42372	(23010316)	440579.83	3761299.75	68.32547	(23010316)
440431.88	3761496.28	63.04472	(17021716)	440335.22	3761292.06	44.13704	(23010316)
440356.14	3761232.22	44.52083	(23010316)	439969.47	3761230.13	28.67132	(23010316)
439868.62	3761297.08	28.10902	(17021716)	439865.27	3761245.19	26.59306	(23010316)
440229.76	3761288.71	38.25076	(23010316)	439957.76	3761363.20	32.58000	(17021716)
439870.71	3761572.02	31.89503	(18120516)	439930.56	3761556.53	32.90729	(18120516)
439870.71	3761839.42	29.39900	(18120516)	439924.70	3761957.01	23.36199	(18120516)
439924.28	3762099.71	22.20348m	(23013016)	439863.60	3762112.26	21.12889m	(23013016)
439873.26	3762554.88	17.49383	(23021016)	439874.80	3762661.28	16.29358	(23021016)
439927.48	3762571.08	18.15034	(23021016)	439942.64	3762649.46	16.98209	(23021016)

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          439874.24   3763087.57       11.66650  (18010816)                439872.56
          3763272.54        12.64065  (18010816)
          439876.33   3763332.38       12.85881  (18010816)                439874.24
          3763445.79        12.99935  (18010816)
          439861.68   3763702.32       12.49795  (18010816)                439875.08
          3763945.45        11.14887  (18010816)
          440074.27   3763727.01       11.72830  (18010816)                439872.56
          3764008.22        10.71708  (18010816)
          439873.82   3764196.54        9.24755  (18010816)                439944.96
          3764712.10         8.24012  (17122616)
          439880.10   3764775.71        7.96901  (17122616)                439880.52
          3764900.83         7.96942  (17122616)
          439944.96   3764933.89        8.15805  (17122616)                439951.24
          3765049.81         8.07574  (17122616)
          439880.10   3765027.63        7.92068  (17122616)                439951.66
          3765276.21         7.80674  (17122616)
          439875.49   3765270.77        7.71872  (17122616)                439874.50
          3765815.86         6.98945  (17122616)
          440004.83   3765814.70        6.88270  (17122616)                439865.36
          3760870.32        24.04088  (21122316)
          439781.42   3760421.48       18.60610  (21122916)                439860.47
          3760191.14        18.32834  (17122116)
          439923.10   3757937.26        7.47517  (21120816)                438973.38
          3754580.48         4.56802  (17010516)
          439631.09   3762694.55       13.64435  (23021016)                442816.66
          3761641.08        50.81023  (23060916)
          442840.46   3762023.13       46.42153  (23060516)                442844.83
          3762050.67        44.45148  (23060516)
          443047.82   3762051.32       36.39469  (23060516)                443029.03
          3762020.29        37.79354  (23060516)
          443122.56   3762052.85       33.59189  (23060516)                443438.77
          3762060.83        23.55893  (23060516)
          443421.50   3762034.46       23.68025  (23060516)                443872.88
          3762119.96        16.82582  (17021316)
          444355.79   3762116.93       13.47059  (17021316)                445022.64
          3761785.97        10.76090  (23060916)
          445316.67   3762043.06        9.31986  (23060916)                445303.86
          3761970.17         9.70051  (23060916)
          445607.24   3762043.06        8.75962  (23060916)                445882.06
          3762042.08         8.29218  (23060916)
          446067.74   3761982.48        8.10055  (23060916)                446058.87
          3762058.33         7.96994  (23060916)
          446255.23   3762062.11        7.68229  (23060916)                446484.25
          3762227.10         7.32817  (17021016)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 13:37:38

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

                                *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  EXH      ***
                                    INCLUDING SOURCE(S):     VOL22       , VOL23       ,
                                    VOL24       , VOL25       , VOL26       ,
                VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
                VOL32       , VOL33       , VOL34       ,
                VOL35       , VOL36       , VOL37       , VOL38       , VOL39       ,
                VOL40       , VOL41       , VOL42       ,
                VOL43       , VOL44       , VOL45       , VOL46       , VOL47       ,
                VOL48       , VOL49       ,  . . .      ,


                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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                                    ** CONC OF OTHER    IN
                                    MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
     Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
       446439.92   3762290.63        7.66310  (17021016)               446749.22
       3762427.55        7.48312  (17021016)
       446844.30   3762432.18        7.37168  (17021016)               447224.68
       3762429.46        6.85747  (17021016)
       447272.39   3762441.73        6.82556  (17021016)               446893.38
       3762355.15        7.12596  (17021016)
       447657.60   3762177.92        6.06277  (23060916)               439164.02
       3762679.50        8.77522  (23011216)
       442309.67   3758691.58       11.38170  (23120416)               441607.59
       3758831.67       10.89414  (23022716)
       442346.32   3758837.37       11.68173  (23120416)               442782.88
       3758835.74        9.13381  (23120816)
       443526.49   3758833.30        7.99105  (23121316)               441007.77
       3758832.80        9.59478  (23022716)
       442754.64   3761604.62       54.59578  (23060916)               442733.11
       3762008.67       52.86767  (23060516)
       442555.03   3762014.43       76.31737  (21120916)               442372.42
       3762032.69      101.47882  (21120916)
       442471.33   3762020.14       88.64140  (21120916)               442309.05
       3762003.23      115.52342  (21120916)
       442267.23   3762011.88      118.85033  (21120916)               442157.88
       3762010.71      127.74547  (21120916)
       442023.53   3762012.58      158.29823  (21122816)               441918.37
       3762014.94      167.82886  (21122816)
       441564.90   3762038.22      113.27976  (23033016)               441257.28
       3761984.82      117.38723  (18010816)
       441170.84   3762020.05       97.25012  (23021016)               440928.18
       3762012.31      100.49010  (23021016)
       440604.66   3762010.98       49.26788  (23021016)               440672.33
       3761517.55       97.50827  (17021716)
       441025.88   3761624.94      272.49567  (17021716)               442535.61
       3761711.99       79.40703  (23060916)
       442605.00   3761609.90       70.42712  (23060916)               441172.19
       3761390.40      504.84094  (23010316)
       441225.70   3761841.77      321.50624
       (17010316)

FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                      ***
 13:37:38

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

                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                              FOR SOURCE GROUP:  DUST     ***
                                  INCLUDING SOURCE(S):     PAREA1      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF OTHER    IN
                                    MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
     Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
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2090	441160.11	3761626.78	18.56026	(17021716)	441165.19
	3761603.44	19.63775	(23010316)		
2091	440769.54	3761316.44	3.88286	(23010316)	440885.08
	3761233.72	4.84637	(23010316)		
2092	440942.99	3761237.37	5.73297	(23010316)	440769.57
	3761294.98	3.94553	(23010316)		
2093	441264.79	3761237.83	14.43573	(22120216)	441396.39
	3761228.15	12.71839	(22120216)		
2094	441633.90	3761229.53	12.88595	(21123016)	441839.43
	3761231.28	12.38637	(21123016)		
2095	442193.26	3761092.32	3.97178	(23121316)	442736.29
	3761091.73	1.82628	(21121316)		
2096	442867.08	3761089.40	1.56751c	(18030216)	443107.85
	3761253.32	1.08740	(22122916)		
2097	443327.70	3761050.95	1.02071c	(18030216)	441881.29
	3762001.44	5.36922	(21122816)		
2098	440583.15	3761320.92	2.41282	(23010316)	440579.83
	3761299.75	2.45460	(23010316)		
2099	440431.88	3761496.28	2.13257	(17021716)	440335.22
	3761292.06	1.58515	(23010316)		
2100	440356.14	3761232.22	1.69068	(21122316)	439969.47
	3761230.13	1.08285	(23010316)		
2101	439868.62	3761297.08	1.02206	(17021716)	439865.27
	3761245.19	0.99379	(23010316)		
2102	440229.76	3761288.71	1.38045	(23010316)	439957.76
	3761363.20	1.12149	(17021716)		
2103	439870.71	3761572.02	1.37562	(18120516)	439930.56
	3761556.53	1.40831	(18120516)		
2104	439870.71	3761839.42	1.30320	(18120516)	439924.70
	3761957.01	0.93926m	(23013016)		
2105	439924.28	3762099.71	0.88335m	(23013016)	439863.60
	3762112.26	0.85150m	(23013016)		
2106	439873.26	3762554.88	0.61775	(23021016)	439874.80
	3762661.28	0.56351	(23021016)		
2107	439927.48	3762571.08	0.63600	(23021016)	439942.64
	3762649.46	0.57945	(23021016)		
2108	439874.24	3763087.57	0.57579	(22120916)	439872.56
	3763272.54	0.54847	(22120916)		
2109	439876.33	3763332.38	0.52750	(22120916)	439874.24
	3763445.79	0.54052	(18010816)		
2110	439861.68	3763702.32	0.57095	(18010816)	439875.08
	3763945.45	0.51147	(18010816)		
2111	440074.27	3763727.01	0.52933	(17121916)	439872.56
	3764008.22	0.50192	(17121916)		
2112	439873.82	3764196.54	0.48921	(17021416)	439944.96
	3764712.10	0.37388	(17021416)		
2113	439880.10	3764775.71	0.38295	(17021416)	439880.52
	3764900.83	0.34821	(23121216)		
2114	439944.96	3764933.89	0.37415	(21021916)	439951.24
	3765049.81	0.39614	(21021916)		
2115	439880.10	3765027.63	0.35585	(21021916)	439951.66
	3765276.21	0.42036	(21021916)		
2116	439875.49	3765270.77	0.39181	(21021916)	439874.50
	3765815.86	0.42005	(22012516)		
2117	440004.83	3765814.70	0.43221	(22012516)	439865.36
	3760870.32	1.19517	(17030816)		
2118	439781.42	3760421.48	0.66368	(21122916)	439860.47
	3760191.14	0.69065	(23020316)		
2119	439923.10	3757937.26	0.49714	(21120816)	438973.38
	3754580.48	0.29644	(17010516)		
2120	439631.09	3762694.55	0.48426	(23021016)	442816.66
	3761641.08	1.89636	(23060916)		
2121	442840.46	3762023.13	1.53563	(23060516)	442844.83
	3762050.67	1.44871	(23060516)		
2122	443047.82	3762051.32	1.23634	(23060516)	443029.03
	3762020.29	1.29467	(23060516)		

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          443122.56   3762052.85        1.15304  (23060516)                443438.77
          3762060.83        0.97409  (18102516)
          443421.50   3762034.46        0.99679  (18102516)                443872.88
          3762119.96        0.84505  (18102516)
          444355.79   3762116.93        0.71828  (18102516)                445022.64
          3761785.97        0.52638  (21020816)
          445316.67   3762043.06        0.45606  (17021316)                445303.86
          3761970.17        0.43392  (17021316)
          445607.24   3762043.06        0.41348  (17021316)                445882.06
          3762042.08        0.37745  (17021316)
          446067.74   3761982.48        0.37623  (21020816)                446058.87
          3762058.33        0.36172  (17021316)
          446255.23   3762062.11        0.34294  (17081116)                446484.25
          3762227.10        0.37365  (18102516)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                      ***
 13:37:38

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

                                *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  DUST     ***
                                    INCLUDING SOURCE(S):     PAREA1      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF OTHER    IN
                                          MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
      Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - -

          446439.92   3762290.63        0.40574  (18102516)                446749.22
          3762427.55        0.41505  (18102516)
          446844.30   3762432.18        0.40633  (18102516)                447224.68
          3762429.46        0.36673  (18102516)
          447272.39   3762441.73        0.36580  (18102516)                446893.38
          3762355.15        0.37678  (18102516)
          447657.60   3762177.92        0.26832  (21020816)                439164.02
          3762679.50        0.41688  (17122016)
          442309.67   3758691.58        0.73294  (23120416)                441607.59
          3758831.67        0.71214  (17111316)
          442346.32   3758837.37        0.74745  (23120416)                442782.88
          3758835.74        0.58788  (23112916)
          443526.49   3758833.30        0.48500  (18010216)                441007.77
          3758832.80        0.49420  (23121116)
          442754.64   3761604.62        2.00864  (23060916)                442733.11
          3762008.67        1.71415  (23060516)
          442555.03   3762014.43        2.53597  (21120916)                442372.42
          3762032.69        3.20801  (21120916)
          442471.33   3762020.14        2.90879  (21120916)                442309.05
          3762003.23        3.61501  (21120916)
          442267.23   3762011.88        3.62163  (21120916)                442157.88
          3762010.71        4.00820  (21122816)
          442023.53   3762012.58        4.68615  (21122816)                441918.37
          3762014.94        5.07064  (21122816)
          441564.90   3762038.22        3.53236  (23033016)                441257.28
          3761984.82        4.27325  (18010816)
          441170.84   3762020.05        3.26148  (18010816)                440928.18
          3762012.31        3.20396  (23021016)
          440604.66   3762010.98        1.64601  (23021016)                440672.33
          3761517.55        3.28477  (17021716)
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2159          441025.88   3761624.94        8.99858  (17021716)                442535.61
              3761711.99        2.82145  (23060916)
2160          442605.00   3761609.90        2.51531  (23060916)                441172.19
              3761390.40       24.61900  (23010316)
2161          441225.70   3761841.77       11.75348
              (18010816)

2162   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
2163    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
2164
                                    PAGE  53
2165    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2166
2167                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                    FOR SOURCE GROUP:  EXH      ***
2168                                    INCLUDING SOURCE(S):     VOL22       , VOL23       ,
                                        VOL24       , VOL25       , VOL26       ,
2169                    VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
                        VOL32       , VOL33       , VOL34       ,
2170                    VOL35       , VOL36       , VOL37       , VOL38       , VOL39       ,
                        VOL40       , VOL41       , VOL42       ,
2171                    VOL43       , VOL44       , VOL45       , VOL46       , VOL47       ,
                        VOL48       , VOL49       ,  . . .      ,
2172
2173                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***
2174
2175                                    ** CONC OF OTHER    IN
                                        MICROGRAMS/M**3                          **
2176
2177         X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
             Y-COORD (M)        CONC     (YYMMDDHH)
2178    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - - - -
2179          441160.11   3761626.78      160.25130c (17010624)                441165.19
              3761603.44      175.47964c (17010624)
2180          440769.54   3761316.44       35.89089  (23010324)                440885.08
              3761233.72       43.78823  (23010324)
2181          440942.99   3761237.37       51.64915  (23010324)                440769.57
              3761294.98       35.78325  (23010324)
2182          441264.79   3761237.83      127.37177  (21122924)                441396.39
              3761228.15      122.67381  (21122924)
2183          441633.90   3761229.53      120.01403  (21123024)                441839.43
              3761231.28      110.18192  (21123024)
2184          442193.26   3761092.32       33.65992  (23121324)                442736.29
              3761091.73       13.43020c (22122924)
2185          442867.08   3761089.40       12.09239c (22122924)                443107.85
              3761253.32       11.28961c (22122924)
2186          443327.70   3761050.95        8.31197c (22122924)                441881.29
              3762001.44       58.73207  (21122824)
2187          440583.15   3761320.92       22.80791  (23010324)                440579.83
              3761299.75       22.77516  (23010324)
2188          440431.88   3761496.28       21.01491  (17021724)                440335.22
              3761292.06       14.71235  (23010324)
2189          440356.14   3761232.22       14.84028  (23010324)                439969.47
              3761230.13        9.55711  (23010324)
2190          439868.62   3761297.08        9.36967  (17021724)                439865.27
              3761245.19        8.86435  (23010324)
2191          440229.76   3761288.71       12.75025  (23010324)                439957.76
              3761363.20       10.86000  (17021724)
2192          439870.71   3761572.02       11.59819c (18120524)                439930.56
              3761556.53       11.96629c (18120524)
2193          439870.71   3761839.42       10.69055c (18120524)                439924.70
              3761957.01        8.49527c (18120524)
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2194          439924.28   3762099.71        6.34385b (23013024)                439863.60
              3762112.26        6.03682b (23013024)
2195          439873.26   3762554.88        5.83128  (23021024)                439874.80
              3762661.28        5.43119  (23021024)
2196          439927.48   3762571.08        6.05011  (23021024)                439942.64
              3762649.46        5.66070  (23021024)
2197          439874.24   3763087.57        3.88883  (18010824)                439872.56
              3763272.54        4.21355  (18010824)
2198          439876.33   3763332.38        4.28627  (18010824)                439874.24
              3763445.79        4.33312  (18010824)
2199          439861.68   3763702.32        4.16598  (18010824)                439875.08
              3763945.45        3.71629  (18010824)
2200          440074.27   3763727.01        3.90943  (18010824)                439872.56
              3764008.22        3.57236  (18010824)
2201          439873.82   3764196.54        3.08252  (18010824)                439944.96
              3764712.10        2.74671  (17122624)
2202          439880.10   3764775.71        2.65634  (17122624)                439880.52
              3764900.83        2.65647  (17122624)
2203          439944.96   3764933.89        2.71935  (17122624)                439951.24
              3765049.81        2.69191  (17122624)
2204          439880.10   3765027.63        2.64023  (17122624)                439951.66
              3765276.21        2.60225  (17122624)
2205          439875.49   3765270.77        2.57291  (17122624)                439874.50
              3765815.86        2.32982  (17122624)
2206          440004.83   3765814.70        2.29423  (17122624)                439865.36
              3760870.32        8.01363  (21122324)
2207          439781.42   3760421.48        6.20203  (21122924)                439860.47
              3760191.14        6.10945  (17122124)
2208          439923.10   3757937.26        2.49172  (21120824)                438973.38
              3754580.48        1.52267  (17010524)
2209          439631.09   3762694.55        4.54812  (23021024)                442816.66
              3761641.08       16.93674  (23060924)
2210          442840.46   3762023.13       15.47384  (23060524)                442844.83
              3762050.67       14.81716  (23060524)
2211          443047.82   3762051.32       12.13156  (23060524)                443029.03
              3762020.29       12.59785  (23060524)
2212          443122.56   3762052.85       11.19730  (23060524)                443438.77
              3762060.83        7.85298  (23060524)
2213          443421.50   3762034.46        7.89342  (23060524)                443872.88
              3762119.96        5.60861  (17021324)
2214          444355.79   3762116.93        4.49020  (17021324)                445022.64
              3761785.97        3.58697  (23060924)
2215          445316.67   3762043.06        3.10662  (23060924)                445303.86
              3761970.17        3.23350  (23060924)
2216          445607.24   3762043.06        2.91987  (23060924)                445882.06
              3762042.08        2.76406  (23060924)
2217          446067.74   3761982.48        2.70018  (23060924)                446058.87
              3762058.33        2.65665  (23060924)
2218          446255.23   3762062.11        2.56076  (23060924)                446484.25
              3762227.10        2.44272  (17021024)
2219  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
2220   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
2221
                                  PAGE  54
2222   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2223
2224                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  EXH      ***
2225                                  INCLUDING SOURCE(S):     VOL22       , VOL23       ,
                                      VOL24       , VOL25       , VOL26       ,
2226                  VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
                      VOL32       , VOL33       , VOL34       ,
2227                  VOL35       , VOL36       , VOL37       , VOL38       , VOL39       ,
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                VOL40      , VOL41      , VOL42      ,
2228            VOL43      , VOL44      , VOL45      , VOL46      , VOL47      ,
                VOL48      , VOL49      ,  . . .     ,
2229
2230                                  *** DISCRETE CARTESIAN RECEPTOR POINTS ***
2231
2232                                  ** CONC OF OTHER    IN
                                      MICROGRAMS/M**3                          **
2233
2234       X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
           Y-COORD (M)        CONC     (YYMMDDHH)
2235   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2236         446439.92   3762290.63        2.55437  (17021024)               446749.22
             3762427.55        2.49437  (17021024)
2237         446844.30   3762432.18        2.45723  (17021024)               447224.68
             3762429.46        2.28582  (17021024)
2238         447272.39   3762441.73        2.27519  (17021024)               446893.38
             3762355.15        2.37532  (17021024)
2239         447657.60   3762177.92        2.02092  (23060924)               439164.02
             3762679.50        2.92507  (23011224)
2240         442309.67   3758691.58        3.79390  (23120424)               441607.59
             3758831.67        3.63138  (23022724)
2241         442346.32   3758837.37        3.89391  (23120424)               442782.88
             3758835.74        3.04460  (23120824)
2242         443526.49   3758833.30        2.66368  (23121324)               441007.77
             3758832.80        3.19826  (23022724)
2243         442754.64   3761604.62       18.19859  (23060924)               442733.11
             3762008.67       17.62256  (23060524)
2244         442555.03   3762014.43       25.43912  (21120924)               442372.42
             3762032.69       33.82627  (21120924)
2245         442471.33   3762020.14       29.54713  (21120924)               442309.05
             3762003.23       38.50781  (21120924)
2246         442267.23   3762011.88       39.61678  (21120924)               442157.88
             3762010.71       42.58182  (21120924)
2247         442023.53   3762012.58       52.76608  (21122824)               441918.37
             3762014.94       55.94295  (21122824)
2248         441564.90   3762038.22       45.31190c (23033024)               441257.28
             3761984.82       39.12908  (18010824)
2249         441170.84   3762020.05       32.41671  (23021024)               440928.18
             3762012.31       33.49670  (23021024)
2250         440604.66   3762010.98       16.42263  (23021024)               440672.33
             3761517.55       32.50276  (17021724)
2251         441025.88   3761624.94       90.83189  (17021724)               442535.61
             3761711.99       26.46901  (23060924)
2252         442605.00   3761609.90       23.47571  (23060924)               441172.19
             3761390.40      168.28031  (23010324)
2253         441225.70   3761841.77      107.78014c
             (17010624)

2254   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
2255    *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:37:38
2256
                                    PAGE  55
2257    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2258
2259                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                    FOR SOURCE GROUP:  DUST     ***
2260                                    INCLUDING SOURCE(S):     PAREA1      ,
2261
2262                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***
2263
2264                                      ** CONC OF OTHER    IN
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
441160.11	3761626.78	6.35542c	(17010624)	441165.19	3761603.44	6.77797c	(17010624)
440769.54	3761316.44	1.29429	(23010324)	440885.08	3761233.72	1.61546	(23010324)
440942.99	3761237.37	1.91099	(23010324)	440769.57	3761294.98	1.31518	(23010324)
441264.79	3761237.83	4.81191	(22120224)	441396.39	3761228.15	4.23946	(22120224)
441633.90	3761229.53	4.29532	(21123024)	441839.43	3761231.28	4.12879	(21123024)
442193.26	3761092.32	1.32393	(23121324)	442736.29	3761091.73	0.60876	(21121324)
442867.08	3761089.40	0.52250c	(18030224)	443107.85	3761253.32	0.41425c	(22122924)
443327.70	3761050.95	0.34024c	(18030224)	441881.29	3762001.44	1.78974	(21122824)
440583.15	3761320.92	0.80427	(23010324)	440579.83	3761299.75	0.81820	(23010324)
440431.88	3761496.28	0.75286c	(18120524)	440335.22	3761292.06	0.52838	(23010324)
440356.14	3761232.22	0.56356	(21122324)	439969.47	3761230.13	0.36095	(23010324)
439868.62	3761297.08	0.34069	(17021724)	439865.27	3761245.19	0.33126	(23010324)
440229.76	3761288.71	0.46015	(23010324)	439957.76	3761363.20	0.37383	(17021724)
439870.71	3761572.02	0.50022c	(18120524)	439930.56	3761556.53	0.51211c	(18120524)
439870.71	3761839.42	0.47389c	(18120524)	439924.70	3761957.01	0.31379c	(18120524)
439924.28	3762099.71	0.25239b	(23013024)	439863.60	3762112.26	0.24329b	(23013024)
439873.26	3762554.88	0.20592	(23021024)	439874.80	3762661.28	0.18784	(23021024)
439927.48	3762571.08	0.21200	(23021024)	439942.64	3762649.46	0.19315	(23021024)
439874.24	3763087.57	0.19193	(22120924)	439872.56	3763272.54	0.18282	(22120924)
439876.33	3763332.38	0.17583	(22120924)	439874.24	3763445.79	0.18017	(18010824)
439861.68	3763702.32	0.19032	(18010824)	439875.08	3763945.45	0.17049	(18010824)
440074.27	3763727.01	0.17644	(17121924)	439872.56	3764008.22	0.16731	(17121924)
439873.82	3764196.54	0.16307	(17021424)	439944.96	3764712.10	0.12463	(17021424)
439880.10	3764775.71	0.12765	(17021424)	439880.52	3764900.83	0.11607	(23121224)
439944.96	3764933.89	0.12472	(21021924)	439951.24	3765049.81	0.13205	(21021924)
439880.10	3765027.63	0.11862	(21021924)	439951.66	3765276.21	0.14012	(21021924)
439875.49	3765270.77	0.13060	(21021924)	439874.50	3765815.86	0.14002	(22012524)
440004.83	3765814.70	0.14407	(22012524)	439865.36	3760870.32	0.39839	(17030824)
439781.42	3760421.48	0.22123	(21122924)	439860.47	3760191.14	0.23022	(23020324)
439923.10	3757937.26	0.16571	(21120824)	438973.38	3754580.48	0.09881	(17010524)

```
2298          439631.09   3762694.55        0.16142  (23021024)                442816.66
              3761641.08         0.63212  (23060924)
2299          442840.46   3762023.13        0.51188  (23060524)                442844.83
              3762050.67         0.48328c (21042124)
2300          443047.82   3762051.32        0.41211  (23060524)                443029.03
              3762020.29         0.43156  (23060524)
2301          443122.56   3762052.85        0.38435  (23060524)                443438.77
              3762060.83         0.32470  (18102524)
2302          443421.50   3762034.46        0.33226  (18102524)                443872.88
              3762119.96         0.28168  (18102524)
2303          444355.79   3762116.93        0.23943  (18102524)                445022.64
              3761785.97         0.17546  (21020824)
2304          445316.67   3762043.06        0.15202  (17021324)                445303.86
              3761970.17         0.14464  (17021324)
2305          445607.24   3762043.06        0.13783  (17021324)                445882.06
              3762042.08         0.12582  (17021324)
2306          446067.74   3761982.48        0.12541  (21020824)                446058.87
              3762058.33         0.12057  (17021324)
2307          446255.23   3762062.11        0.11431  (17081124)                446484.25
              3762227.10         0.12455  (18102524)
2308  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
2309   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:37:38
2310
                                  PAGE  56
2311   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2312
2313                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                   FOR SOURCE GROUP:  DUST     ***
2314                                   INCLUDING SOURCE(S):     PAREA1      ,
2315
2316                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***
2317
2318                                        ** CONC OF OTHER    IN
                                           MICROGRAMS/M**3                          **
2319
2320        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
2321   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - - -
2322          446439.92   3762290.63        0.13525  (18102524)                446749.22
              3762427.55         0.13835  (18102524)
2323          446844.30   3762432.18        0.13544  (18102524)                447224.68
              3762429.46         0.12224  (18102524)
2324          447272.39   3762441.73        0.12193  (18102524)                446893.38
              3762355.15         0.12559  (18102524)
2325          447657.60   3762177.92        0.08944  (21020824)                439164.02
              3762679.50         0.13896  (17122024)
2326          442309.67   3758691.58        0.24431  (23120424)                441607.59
              3758831.67         0.23738  (17111324)
2327          442346.32   3758837.37        0.24915  (23120424)                442782.88
              3758835.74         0.19596  (23112924)
2328          443526.49   3758833.30        0.16167  (18010224)                441007.77
              3758832.80         0.16473  (23121124)
2329          442754.64   3761604.62        0.66955  (23060924)                442733.11
              3762008.67         0.57434c (21042124)
2330          442555.03   3762014.43        0.84532  (21120924)                442372.42
              3762032.69         1.06934  (21120924)
2331          442471.33   3762020.14        0.96960  (21120924)                442309.05
              3762003.23         1.20500  (21120924)
2332          442267.23   3762011.88        1.20721  (21120924)                442157.88
              3762010.71         1.33607  (21122824)
2333          442023.53   3762012.58        1.56205  (21122824)                441918.37
              3762014.94         1.69021  (21122824)
```

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          441564.90   3762038.22        1.41294c (23033024)                441257.28
          3761984.82        1.42442  (18010824)
          441170.84   3762020.05        1.08716  (18010824)                440928.18
          3762012.31        1.06799  (23021024)
          440604.66   3762010.98        0.54867  (23021024)                440672.33
          3761517.55        1.09492  (17021724)
          441025.88   3761624.94        2.99953  (17021724)                442535.61
          3761711.99        0.94048  (23060924)
          442605.00   3761609.90        0.83844  (23060924)                441172.19
          3761390.40        8.20633  (23010324)
          441225.70   3761841.77        3.91783
          (18010824)

FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

                                PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** THE SUMMARY OF HIGHEST  1-HR RESULTS
                                                  ***


                                    ** CONC OF OTHER    IN
                                    MICROGRAMS/M**3                          **


                                                         DATE

                                                           NETWORK
GROUP ID                              AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

EXH      HIGH   1ST HIGH VALUE IS    1670.63556  ON 21122916: AT (  441172.19,
3761390.40,   205.06,   205.06,    2.00)  DC

DUST     HIGH   1ST HIGH VALUE IS      64.59849  ON 21122916: AT (  441172.19,
3761390.40,   205.06,   205.06,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

                                PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** THE SUMMARY OF HIGHEST  8-HR RESULTS
                                                  ***


                                    ** CONC OF OTHER    IN
                                    MICROGRAMS/M**3                          **
```

```
                                                                     DATE
                                                                    NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

EXH      HIGH   1ST HIGH VALUE IS     504.84094  ON 23010316: AT (  441172.19,
3761390.40,   205.06,   205.06,    2.00)  DC

DUST     HIGH   1ST HIGH VALUE IS      24.61900  ON 23010316: AT (  441172.19,
3761390.40,   205.06,   205.06,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

                              PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST 24-HR RESULTS
                                                ***


                                    ** CONC OF OTHER    IN
                                    MICROGRAMS/M**3                          **


                                                                     DATE
                                                                    NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

EXH      HIGH   1ST HIGH VALUE IS     175.47964c ON 17010624: AT (  441165.19,
3761603.44,   206.91,   206.91,    2.00)  DC

DUST     HIGH   1ST HIGH VALUE IS       8.20633  ON 23010324: AT (  441172.19,
3761390.40,   205.06,   205.06,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:37:38

                              PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***
```

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

A Total of            0 Fatal Error Message(s)
A Total of          419 Warning Message(s)
A Total of         1967 Informational Message(s)

A Total of        43800 Hours Were Processed

A Total of         1244 Calm Hours Identified

A Total of          723 Missing Hours Identified (  1.65 Percent)


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


   ********   WARNING MESSAGES   ********
ME W186     669       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
used           0.50
ME W187     669       MEOPEN: ADJ_U* Option for Stable Low Winds used in
AERMET
CN W733     144         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017010624
CN W733     176         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017010808
CN W732     192         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017010824
CN W733     464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017012008
CN W733     472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017012016
CN W732     480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017012024
CN W733    1168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017021816
CN W732    1176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017021824
CN W733    1952         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032308
CN W733    1960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032316
CN W733    1976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032408
CN W733    2024         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032608
CN W733    2032         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032616
CN W732    2040         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017032624
CN W733    8096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017120408
CN W733    8760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017123124
CN W733    9096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018011424
CN W733    9120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018011524
CN W732    9120         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018011524
CN W733    9152         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018011708
CN W732    9168         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018011724
CN W733    9256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012116
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2458    CN W733    9336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012424
2459    CN W733    9384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012624
2460    CN W733    9392         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012708
2461    CN W733    9400         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012716
2462    CN W732    9408         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018012724
2463    CN W733    9472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018013016
2464    CN W733    9512         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020108
2465    CN W733    9536         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020208
2466    CN W732    9552         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020224
2467    CN W733    9624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020524
2468    CN W733    9632         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020608
2469    CN W733    9640         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020616
2470    CN W732    9648         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020624
2471    CN W733    9656         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020708
2472    CN W733    9664         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020716
2473    CN W733    9672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020724
2474    CN W732    9672         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020724
2475    CN W733    9704         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020908
2476    CN W733    9712         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020916
2477    CN W732    9720         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020924
2478    CN W733    9744         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021024
2479    CN W733    9752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021108
2480    CN W733    9776         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021208
2481    CN W733    9872         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021608
2482    CN W733    9880         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021616
2483    CN W732    9888         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018021624
2484    CN W733    9992         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018022108
2485    CN W733   10048         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018022316
2486    CN W733   10088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018022508
2487    CN W733   10208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030208
2488    CN W733   10216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030216
2489    CN W732   10224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018030224
2490    CN W733   10264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030416
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2491 CN W733 10272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030424
2492 CN W732 10272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030424
2493 CN W733 10280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030508
2494 CN W733 10360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030816
2495 CN W732 10368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030824
2496 CN W733 10416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018031024
2497 CN W733 10648 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032016
2498 CN W733 10800 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032624
2499 CN W733 10856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032908
2500 CN W732 10872 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018032924
2501 CN W733 11056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018040616
2502 CN W733 11552 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018042708
2503 CN W733 11712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018050324
2504 CN W733 11720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018050408
2505 CN W733 11960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051408
2506 CN W733 11984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051508
2507 CN W733 12056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051808
2508 CN W733 12176 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018052308
2509 CN W733 12400 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060116
2510 CN W733 12408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060124
2511 CN W732 12408 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018060124
2512 CN W733 12416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060208
2513 CN W733 13184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070408
2514 CN W733 13192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070416
2515 CN W733 13200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070424
2516 CN W732 13200 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018070424
2517 CN W733 13240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070616
2518 CN W733 13280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070808
2519 CN W732 13296 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018070824
2520 CN W733 13448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071508
2521 CN W732 13464 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018071524
2522 CN W733 13480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071616
2523 CN W733 13664 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072408

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CN W732   13680         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072424
CN W733   13688         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072508
CN W732   13704         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072524
CN W733   13760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072808
CN W733   13832         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018073108
CN W733   14000         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018080708
CN W733   14336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082108
CN W733   14480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082708
CN W733   14488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082716
CN W732   14496         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018082724
CN W733   14784         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018090824
CN W733   14960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091608
CN W732   14976         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091624
CN W733   15008         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091808
CN W733   15016         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091816
CN W732   15024         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091824
CN W733   15032         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091908
CN W733   15040         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091916
CN W732   15048         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091924
CN W733   15224         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018092708
CN W733   15520         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018100916
CN W733   15624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018101324
CN W733   15816         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102124
CN W732   15816         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018102124
CN W733   15864         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102324
CN W733   15872         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102408
CN W733   15936         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102624
CN W733   15984         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102824
CN W733   16200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110624
CN W733   16208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110708
CN W733   16216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110716
CN W732   16224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018110724
CN W733   16344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111224
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2557    CN W733   16392         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111424
2558    CN W733   16480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111816
2559    CN W733   16488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111824
2560    CN W732   16488         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018111824
2561    CN W733   16496         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111908
2562    CN W733   16504         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111916
2563    CN W732   16512         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018111924
2564    CN W733   16536         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018112024
2565    CN W733   16720         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018112816
2566    CN W733   16752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018112924
2567    CN W733   16952         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018120808
2568    CN W732   16968         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018120824
2569    CN W733   17000         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121008
2570    CN W733   17008         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121016
2571    CN W732   17016         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018121024
2572    CN W733   17104         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121416
2573    CN W733   17136         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121524
2574    CN W733   17192         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121808
2575    CN W732   17208         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018121824
2576    CN W733   17328         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018122324
2577    CN W733   17376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018122524
2578    CN W733   17384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018122608
2579    MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:
        21010101
2580    MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2
        year gap
2581    CN W733   17568         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010224
2582    CN W733   17576         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010308
2583    CN W733   17616         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010424
2584    CN W733   17624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010508
2585    CN W733   17640         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010524
2586    CN W732   17640         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021010524
2587    CN W733   17648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010608
2588    CN W733   17728         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010916
2589    CN W732   17736         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021010924
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CN W733   17752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021011016
CN W732   17760         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011024
CN W733   17776         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021011116
CN W732   17784         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011124
CN W733   17800         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021011216
CN W732   17808         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011224
CN W733   18064         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021012316
CN W732   18072         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012324
CN W733   18088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021012416
CN W732   18096         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012424
CN W733   18112         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021012516
CN W732   18120         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012524
CN W733   18224         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013008
CN W733   18232         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013016
CN W733   18240         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013024
CN W732   18240         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013024
CN W733   18248         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013108
CN W733   18256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013116
CN W732   18264         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013124
CN W733   18408         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021020624
CN W733   18416         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021020708
CN W733   18840         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021022424
CN W732   18840         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021022424
CN W733   18848         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021022508
CN W733   18976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030216
CN W733   18984         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030224
CN W732   18984         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021030224
CN W733   18992         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030308
CN W733   19264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031416
CN W732   19272         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031424
CN W733   19352         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031808
CN W733   19360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031816
CN W732   19368         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031824
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CN W733   19440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021032124
CN W733   19448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021032208
CN W733   19648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021033016
CN W732   19656         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021033024
CN W733   19728         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040224
CN W733   19736         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040308
CN W733   19744         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040316
CN W732   19752         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021040324
CN W733   19760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040408
CN W733   19768         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040416
CN W732   19776         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021040424
CN W733   19904         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021041008
CN W733   19960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021041216
CN W733   20168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042108
CN W733   20216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042308
CN W733   20240         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042408
CN W733   20264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042508
CN W733   20320         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042716
CN W733   20360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042908
CN W733   20368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042916
CN W732   20376         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021042924
CN W733   20408         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050108
CN W732   20424         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050124
CN W733   20472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050324
CN W733   20480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050408
CN W732   20496         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050424
CN W733   20504         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050508
CN W732   20520         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050524
CN W733   20528         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050608
CN W733   21200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060308
CN W733   21208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060316
CN W732   21216         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021060324
CN W733   21752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021062608
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2656    CN W733   22248         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071624
2657    CN W733   22256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071708
2658    CN W733   22264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071716
2659    CN W733   22272         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071724
2660    CN W732   22272         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021071724
2661    CN W733   22280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071808
2662    CN W733   22288         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071816
2663    CN W733   22296         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071824
2664    CN W732   22296         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021071824
2665    CN W733   22304         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071908
2666    CN W732   22320         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021071924
2667    CN W733   22976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021081608
2668    CN W733   23368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021090116
2669    CN W732   23376         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021090124
2670    CN W733   23632         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021091216
2671    CN W733   24256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021100816
2672    CN W732   24264         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021100824
2673    CN W733   24280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021100916
2674    CN W732   24288         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021100924
2675    CN W733   25120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021111316
2676    CN W733   25160         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021111508
2677    CN W732   25176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021111524
2678    CN W733   25376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112408
2679    CN W733   25424         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112608
2680    CN W733   25432         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112616
2681    CN W733   25440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112624
2682    CN W732   25440         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021112624
2683    CN W733   25448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112708
2684    CN W733   25456         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112716
2685    CN W732   25464         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021112724
2686    CN W733   25784         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021121108
2687    CN W733   26336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022010308
2688    CN W733   26344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022010316
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2689    CN W732   26352         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022010324
2690    CN W733   28040         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022031508
2691    CN W733   28048         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022031516
2692    CN W733   29488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022051416
2693    CN W732   29496         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022051424
2694    CN W733   30208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022061316
2695    CN W732   30216         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022061324
2696    CN W733   31216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022072516
2697    CN W733   31624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022081116
2698    CN W732   31632         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022081124
2699    CN W733   31880         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022082208
2700    CN W733   31888         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022082216
2701    CN W732   31896         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022082224
2702    CN W733   32320         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022090916
2703    CN W732   32328         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022090924
2704    CN W733   32336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091008
2705    CN W733   32360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091108
2706    CN W733   32384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091208
2707    CN W732   32400         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022091224
2708    CN W733   32440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091416
2709    CN W733   32504         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091708
2710    CN W733   32512         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091716
2711    CN W732   32520         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022091724
2712    CN W733   32552         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091908
2713    CN W733   32816         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022093008
2714    CN W733   32936         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022100508
2715    CN W733   32944         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022100516
2716    CN W732   32952         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022100524
2717    CN W733   33288         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022101924
2718    CN W733   33856         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022111216
2719    CN W732   33864         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022111224
2720    CN W733   33880         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022111316
2721    CN W732   33888         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022111324
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2722    CN W733   33896         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022111408
2723    CN W733   33904         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022111416
2724    CN W732   33912         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022111424
2725    CN W733   33928         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022111516
2726    CN W732   33936         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022111524
2727    CN W733   34184         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022112608
2728    CN W733   34360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022120316
2729    CN W732   34368         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022120324
2730    CN W733   34976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022122908
2731    CN W733   35528         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023012108
2732    CN W733   35536         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023012116
2733    CN W732   35544         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023012124
2734    CN W733   35720         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023012908
2735    CN W732   35736         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023012924
2736    CN W733   35768         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023013108
2737    CN W733   35904         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023020524
2738    CN W733   36088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023021316
2739    CN W732   36096         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023021324
2740    CN W733   36160         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023021616
2741    CN W732   36168         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023021624
2742    CN W733   36440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023022808
2743    CN W733   36608         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023030708
2744    CN W732   36624         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023030724
2745    CN W733   36688         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023031016
2746    CN W732   36696         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023031024
2747    CN W733   36712         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023031116
2748    CN W732   36720         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023031124
2749    CN W733   36736         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023031216
2750    CN W732   36744         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023031224
2751    CN W733   36832         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023031616
2752    CN W732   36840         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023031624
2753    CN W733   36856         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023031716
2754    CN W733   36896         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023031908
```

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CN W733   36912        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031924
CN W732   36912        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031924
CN W733   36920        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023032008
CN W732   36936        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023032024
CN W733   37160        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033008
CN W733   37184        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033108
CN W733   37192        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033116
CN W733   37200        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033124
CN W732   37200        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023033124
CN W733   37360        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023040716
CN W732   37368        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023040724
CN W733   37904        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023043008
CN W733   38368        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023051916
CN W732   38376        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023051924
CN W733   38824        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060716
CN W733   38840        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060808
CN W733   38968        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061316
CN W733   38984        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061408
CN W733   39016        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061516
CN W733   39040        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061616
CN W733   39056        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061708
CN W732   39072        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061724
CN W733   39080        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061808
CN W733   39104        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061908
CN W733   39128        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062008
CN W733   39136        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062016
CN W732   39144        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062024
CN W733   39152        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062108
CN W733   39160        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062116
CN W732   39168        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062124
CN W733   39176        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062208
CN W733   39200        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062308
CN W733   39208        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062316
```

2788 CN W732 39216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062324
2789 CN W733 39224 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062408
2790 CN W733 39232 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062416
2791 CN W732 39240 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062424
2792 CN W733 39248 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062508
2793 CN W732 39264 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062524
2794 CN W733 39272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062608
2795 CN W732 39288 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062624
2796 CN W733 39296 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062708
2797 CN W732 39312 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062724
2798 CN W733 39344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062908
2799 CN W732 39360 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062924
2800 CN W733 39368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023063008
2801 CN W733 39712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023071416
2802 CN W732 39720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071424
2803 CN W733 40080 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023072924
2804 CN W733 40088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073008
2805 CN W732 40104 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073024
2806 CN W733 40112 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073108
2807 CN W733 40120 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073116
2808 CN W732 40128 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073124
2809 CN W733 40136 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023080108
2810 CN W732 40152 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023080124
2811 CN W733 40624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082116
2812 CN W733 40640 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082208
2813 CN W733 40856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023083108
2814 CN W733 41040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023090724
2815 CN W733 41144 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023091208
2816 CN W733 41392 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092216
2817 CN W732 41400 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092224
2818 CN W733 41472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092524
2819 CN W733 41480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092608
2820 CN W733 41728 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100616

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CN W733   41808         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100924
CN W733   41864         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101208
CN W732   41880         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101224
CN W733   41944         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101516
CN W732   41952         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101524
CN W733   42328         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023103116
CN W733   42344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110108
CN W733   42352         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110116
CN W733   42360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110124
CN W732   42360         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110124
CN W733   42368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110208
CN W733   42376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110216
CN W732   42384         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110224
CN W733   42400         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110316
CN W732   42408         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110324
CN W733   42424         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110416
CN W733   42432         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110424
CN W732   42432         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110424
CN W733   42440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110508
CN W733   42448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110516
CN W733   42456         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110524
CN W732   42456         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110524
CN W733   42464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110608
CN W733   42472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110616
CN W732   42480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110624
CN W733   42488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110708
CN W733   42496         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110716
CN W732   42504         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110724
CN W733   43216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023120716
CN W732   43224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023120724
CN W733   43672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023122616
CN W732   43680         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023122624

   ***********************************
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2855        *** AERMOD Finishes Successfully ***
2856        ************************************
2857
2858
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 12/17/2025
** File: C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Cons LST Ph3\16285 Cons LST Ph3.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24
   URBANOPT 2195611 San_Bernardino_County
   POLLUTID OTHER
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "16285 Cons LST Ph3.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL43        VOLUME     440859.140  3761569.736      206.550
   LOCATION VOL44        VOLUME     440973.922  3761568.600      207.270
   LOCATION VOL45        VOLUME     441090.408  3761569.168      206.640
   LOCATION VOL46        VOLUME     441140.754  3761572.158      206.720
   LOCATION VOL47        VOLUME     441140.963  3761341.790      204.570
   LOCATION VOL48        VOLUME     441025.044  3761341.222      204.690
   LOCATION VOL49        VOLUME     440909.126  3761342.927      204.380
   LOCATION VOL50        VOLUME     440854.008  3761342.358      204.320
   LOCATION VOL51        VOLUME     440858.311  3761456.870      204.400
   LOCATION VOL52        VOLUME     440969.847  3761457.421      205.040
   LOCATION VOL53        VOLUME     441086.728  3761457.438      205.650
   LOCATION VOL54        VOLUME     441137.347  3761454.427      205.530
   LOCATION VOL55        VOLUME     440856.702  3761684.930      207.300
   LOCATION VOL56        VOLUME     440971.483  3761683.793      207.490
   LOCATION VOL57        VOLUME     441087.970  3761684.362      207.770
   LOCATION VOL58        VOLUME     441138.316  3761687.351      207.770
   LOCATION VOL59        VOLUME     440855.938  3761758.229      207.770
   LOCATION VOL60        VOLUME     440970.720  3761757.093      208.070
   LOCATION VOL61        VOLUME     441087.206  3761757.661      208.160
   LOCATION VOL62        VOLUME     441137.552  3761760.651      208.110
   LOCATION PAREA1       AREAPOLY   440796.010  3761817.201      208.730
** Source Parameters **
   SRCPARAM VOL43             1.0     5.000    26.719     1.400
   SRCPARAM VOL44             1.0     5.000    26.719     1.400
   SRCPARAM VOL45             1.0     5.000    26.719     1.400
   SRCPARAM VOL46             1.0     5.000    26.719     1.400
   SRCPARAM VOL47             1.0     5.000    26.719     1.400
   SRCPARAM VOL48             1.0     5.000    26.719     1.400
```

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   SRCPARAM VOL49              1.0     5.000    26.719     1.400
   SRCPARAM VOL50              1.0     5.000    26.719     1.400
   SRCPARAM VOL51              1.0     5.000    26.719     1.400
   SRCPARAM VOL52              1.0     5.000    26.719     1.400
   SRCPARAM VOL53              1.0     5.000    26.719     1.400
   SRCPARAM VOL54              1.0     5.000    26.719     1.400
   SRCPARAM VOL55              1.0     5.000    26.719     1.400
   SRCPARAM VOL56              1.0     5.000    26.719     1.400
   SRCPARAM VOL57              1.0     5.000    26.719     1.400
   SRCPARAM VOL58              1.0     5.000    26.719     1.400
   SRCPARAM VOL59              1.0     5.000    26.719     1.400
   SRCPARAM VOL60              1.0     5.000    26.719     1.400
   SRCPARAM VOL61              1.0     5.000    26.719     1.400
   SRCPARAM VOL62              1.0     5.000    26.719     1.400
   SRCPARAM PAREA1       4.724E-06     0.000         4     1.000
   AREAVERT PAREA1       440796.010 3761817.201 441190.758 3761817.201
   AREAVERT PAREA1       441198.393 3761281.199 440799.828 3761285.780
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL61        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Exh      VOL43 VOL44 VOL45 VOL46 VOL47 VOL48 VOL49 VOL50 VOL51
   SRCGROUP Exh      VOL52 VOL53 VOL54 VOL55 VOL56 VOL57 VOL58 VOL59 VOL60
   SRCGROUP Exh      VOL61 VOL62
   SRCGROUP Dust     PAREA1
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "16285 Cons LST Ph3.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KCNO_V11_trimmed.sfc
   PROFFILE KCNO_V11_trimmed.PFL
   SURFDATA 3179 2017
   UAIRDATA 3190 2017
   PROFBASE 191.07 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
   PLOTFILE 1 Exh 1ST "16285 CONS LST PH3.AD\Exh 1hr.PLT" 31
   PLOTFILE 8 Exh 1ST "16285 CONS LST PH3.AD\Exh 8hr.PLT" 32
   PLOTFILE 24 Exh 1ST "16285 CONS LST PH3.AD\Exh 24hr.PLT" 33
   PLOTFILE 24 Dust 1ST "16285 CONS LST PH3.AD\Dust 24hr.PLT" 34
   SUMMFILE "16285 Cons LST Ph3.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   ********
```

```
462   ME W186     427       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
      used           0.50
463   ME W187     427       MEOPEN: ADJ_U* Option for Stable Low Winds used in
      AERMET
464
465   ************************************
466   *** SETUP Finishes Successfully ***
467   ************************************
468
469   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
470    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
471
                                  PAGE   1
472   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
473
474                                              ***     MODEL SETUP OPTIONS SUMMARY       ***
475   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - -
476
477   ** Model Options Selected:
478        * Model Uses Regulatory DEFAULT Options
479        * Model Is Setup For Calculation of Average CONCentration Values.
480        * NO GAS DEPOSITION Data Provided.
481        * NO PARTICLE DEPOSITION Data Provided.
482        * Model Uses NO DRY DEPLETION. DDPLETE  =  F
483        * Model Uses NO WET DEPLETION. WETDPLT  =  F
484        * Stack-tip Downwash.
485        * Model Accounts for ELEVated Terrain Effects.
486        * Use Calms Processing Routine.
487        * Use Missing Data Processing Routine.
488        * No Exponential Decay.
489        * Model Uses URBAN Dispersion Algorithm for the SBL for    21 Source(s),
490          for Total of    1 Urban Area(s):
491     Urban Population =   2195611.0 ;  Urban Roughness Length =  1.000 m
492        * Urban Roughness Length of 1.0 Meter Used.
493        * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
494        * CCVR_Sub - Meteorological data includes CCVR substitutions
495        * TEMP_Sub - Meteorological data includes TEMP substitutions
496        * Model Accepts FLAGPOLE Receptor . Heights.
497        * The User Specified a Pollutant Type of: OTHER
498
499   **Model Calculates  3 Short Term Average(s) of:   1-HR   8-HR  24-HR
500
501   **This Run Includes:     21 Source(s);       2 Source Group(s); and     108 Receptor(s)
502
503                  with:      0 POINT(s), including
504                             0 POINTCAP(s) and      0 POINTHOR(s)
505                   and:     20 VOLUME source(s)
506                   and:      1 AREA type source(s)
507                   and:      0 LINE source(s)
508                   and:      0 RLINE/RLINEXT source(s)
509                   and:      0 OPENPIT source(s)
510                   and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
511                   and:      0 SWPOINT source(s)
512
513
514   **Model Set To Continue RUNning After the Setup Testing.
515
516   **The AERMET Input Meteorological Data Version Date:  22112
517
518   **Output Options Selected:
519            Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
               Keyword)
```

```
520            Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
521            Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
522
523    **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
524                                                                    m for Missing Hours
525                                                                    b for Both Calm and
                                                                       Missing Hours
526
527    **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   191.07 ;  Decay Coef.
       =    0.000     ;  Rot. Angle =     0.0
528                     Emission Units = GRAMS/SEC                              ;  Emission
                        Rate Unit Factor =   0.10000E+07
529                     Output Units   = MICROGRAMS/M**3
530
531    **Approximate Storage Requirements of Model =      3.6 MB of RAM.
532
533    **Input Runstream File:
       aermod.inp

534    **Output Print File:
       aermod.out

535
536    **Detailed Error/Message File:   16285 Cons LST
       Ph3.err
537    **File for Summary of Results:   16285 Cons LST
       Ph3.sum
538    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/17/25
539    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
540
                                  PAGE   2
541    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
542
543
544                                                  *** VOLUME SOURCE DATA ***
545
546                 NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
                    INIT.   URBAN  EMISSION RATE   AIRCRAFT
547       SOURCE     PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
          SZ     SOURCE  SCALAR VARY
548         ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
            (METERS)             BY
549    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - -
550
551    VOL43            0   0.10000E+01  440859.1 3761569.7   206.6     5.00    26.72
       1.40     YES   HRDOW            NO
552    VOL44            0   0.10000E+01  440973.9 3761568.6   207.3     5.00    26.72
       1.40     YES   HRDOW            NO
553    VOL45            0   0.10000E+01  441090.4 3761569.2   206.6     5.00    26.72
       1.40     YES   HRDOW            NO
554    VOL46            0   0.10000E+01  441140.8 3761572.2   206.7     5.00    26.72
       1.40     YES   HRDOW            NO
555    VOL47            0   0.10000E+01  441141.0 3761341.8   204.6     5.00    26.72
       1.40     YES   HRDOW            NO
556    VOL48            0   0.10000E+01  441025.0 3761341.2   204.7     5.00    26.72
       1.40     YES   HRDOW            NO
557    VOL49            0   0.10000E+01  440909.1 3761342.9   204.4     5.00    26.72
       1.40     YES   HRDOW            NO
558    VOL50            0   0.10000E+01  440854.0 3761342.4   204.3     5.00    26.72
       1.40     YES   HRDOW            NO
559    VOL51            0   0.10000E+01  440858.3 3761456.9   204.4     5.00    26.72
       1.40     YES   HRDOW            NO
```

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560   VOL52            0   0.10000E+01  440969.8 3761457.4   205.0     5.00    26.72
      1.40     YES   HRDOW            NO
561   VOL53            0   0.10000E+01  441086.7 3761457.4   205.7     5.00    26.72
      1.40     YES   HRDOW            NO
562   VOL54            0   0.10000E+01  441137.3 3761454.4   205.5     5.00    26.72
      1.40     YES   HRDOW            NO
563   VOL55            0   0.10000E+01  440856.7 3761684.9   207.3     5.00    26.72
      1.40     YES   HRDOW            NO
564   VOL56            0   0.10000E+01  440971.5 3761683.8   207.5     5.00    26.72
      1.40     YES   HRDOW            NO
565   VOL57            0   0.10000E+01  441088.0 3761684.4   207.8     5.00    26.72
      1.40     YES   HRDOW            NO
566   VOL58            0   0.10000E+01  441138.3 3761687.4   207.8     5.00    26.72
      1.40     YES   HRDOW            NO
567   VOL59            0   0.10000E+01  440855.9 3761758.2   207.8     5.00    26.72
      1.40     YES   HRDOW            NO
568   VOL60            0   0.10000E+01  440970.7 3761757.1   208.1     5.00    26.72
      1.40     YES   HRDOW            NO
569   VOL61            0   0.10000E+01  441087.2 3761757.7   208.2     5.00    26.72
      1.40     YES   HRDOW            NO
570   VOL62            0   0.10000E+01  441137.6 3761760.7   208.1     5.00    26.72
      1.40     YES   HRDOW            NO
571   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
572    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
573
                                    PAGE   3
574   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
575
576
577                                                *** AREAPOLY SOURCE DATA ***
578
579                 NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER
                    INIT.   URBAN  EMISSION RATE    AIRCRAFT
580     SOURCE       PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.
        SZ     SOURCE  SCALAR VARY
581       ID         CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)
          (METERS)              BY
582   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - -
583
584    PAREA1           0   0.47240E-05  440796.0 3761817.2   208.7     0.00       4
       1.00     YES   HRDOW            NO
585   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
586    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
587
                                    PAGE   4
588   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
589
590
591                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***
592
593    SRCGROUP ID                                              SOURCE IDs
594    -----------                                              ----------
595
596
597     EXH        VOL43       , VOL44       , VOL45       , VOL46       , VOL47       ,
       VOL48       , VOL49       , VOL50       ,
598
599                VOL51       , VOL52       , VOL53       , VOL54       , VOL55       ,
                   VOL56       , VOL57       , VOL58       ,
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600
601              VOL59       , VOL60       , VOL61       , VOL62       ,
602
603     DUST       PAREA1      ,
604   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
605      *** AERMET - VERSION  22112 ***
         ***                                                                    ***
         11:17:22
606
                                    PAGE   5
607      *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
608
609
610                                          *** SOURCE IDs DEFINED AS URBAN SOURCES ***
611
612      URBAN ID   URBAN POP                                    SOURCE IDs
613      --------   ---------                                    ----------
614
615
616                 2195611.   VOL43       , VOL44       , VOL45       , VOL46       ,
                    VOL47       , VOL48       , VOL49       ,
617      VOL50       ,
618
619                 VOL51       , VOL52       , VOL53       , VOL54       , VOL55       ,
                    VOL56       , VOL57       , VOL58       ,
620
621                 VOL59       , VOL60       , VOL61       , VOL62       , PAREA1      ,
622   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
623      *** AERMET - VERSION  22112 ***
         ***                                                                    ***
         11:17:22
624
                                    PAGE   6
625      *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
626
627                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
628
629      SOURCE ID = VOL43        ; SOURCE TYPE = VOLUME   :
630       HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
          SCALAR   HOUR   SCALAR   HOUR   SCALAR
631      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         - - - - - - - - - - - - - - - - - - - -
632                                                 DAY OF WEEK = WEEKDAY
633         1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
            .0000E+00    7  .0000E+00    8  .0000E+00
634         9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
            .1000E+01   15  .1000E+01   16  .1000E+01
635        17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
636                                                 DAY OF WEEK = SATURDAY
637         1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
            .0000E+00    7  .0000E+00    8  .0000E+00
638         9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
            .0000E+00   15  .0000E+00   16  .0000E+00
639        17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
640                                                 DAY OF WEEK = SUNDAY
641         1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
            .0000E+00    7  .0000E+00    8  .0000E+00
642         9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
            .0000E+00   15  .0000E+00   16  .0000E+00
643        17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

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644  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
645   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:17:22
646
                                  PAGE   7
647   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
648
649                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
650
651   SOURCE ID = VOL44        ; SOURCE TYPE = VOLUME   :
652    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
653   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - -
654                                                 DAY OF WEEK = WEEKDAY
655      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
656      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
         .1000E+01   15  .1000E+01   16  .1000E+01
657     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
658                                                 DAY OF WEEK = SATURDAY
659      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
660      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
661     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
662                                                 DAY OF WEEK = SUNDAY
663      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
664      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
665     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
666   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
667   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:17:22
668
                                  PAGE   8
669   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
670
671                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
672
673   SOURCE ID = VOL45        ; SOURCE TYPE = VOLUME   :
674    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
675   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - -
676                                                 DAY OF WEEK = WEEKDAY
677      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
678      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
         .1000E+01   15  .1000E+01   16  .1000E+01
679     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
680                                                 DAY OF WEEK = SATURDAY
681      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
682      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
```

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      .0000E+00   15  .0000E+00   16  .0000E+00
683    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
684                                          DAY OF WEEK = SUNDAY
685     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
686     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
687    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
688 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
    Eucalyptus BP\16285 Ops H ***        12/17/25
689  *** AERMET - VERSION  22112 ***
     ***                                                                    ***
     11:17:22
690
                                PAGE   9
691  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
692
693                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                     WEEK (HRDOW) *
694
695  SOURCE ID = VOL46        ; SOURCE TYPE = VOLUME   :
696   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
697  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - -
698                                          DAY OF WEEK = WEEKDAY
699     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
700     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .1000E+01
701    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
702                                          DAY OF WEEK = SATURDAY
703     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
704     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
705    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
706                                          DAY OF WEEK = SUNDAY
707     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
708     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
709    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
710 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
    Eucalyptus BP\16285 Ops H ***        12/17/25
711  *** AERMET - VERSION  22112 ***
     ***                                                                    ***
     11:17:22
712
                                PAGE  10
713  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
714
715                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                     WEEK (HRDOW) *
716
717  SOURCE ID = VOL47        ; SOURCE TYPE = VOLUME   :
718   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
719  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - -
720                                  C3-772  DAY OF WEEK = WEEKDAY
```

```
721       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
722       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
723      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
724                                              DAY OF WEEK = SATURDAY
725       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
726       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
727      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
728                                              DAY OF WEEK = SUNDAY
729       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
730       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
731      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
732  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
733   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:17:22
734
                                  PAGE  11
735   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
736
737                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
738
739   SOURCE ID = VOL48        ; SOURCE TYPE = VOLUME   :
740    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
741   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - - -
742                                              DAY OF WEEK = WEEKDAY
743       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
744       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
745      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
746                                              DAY OF WEEK = SATURDAY
747       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
748       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
749      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
750                                              DAY OF WEEK = SUNDAY
751       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
752       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
753      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
754  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
755   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:17:22
756
                                  PAGE  12
757   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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758
759                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
760
761    SOURCE ID = VOL49        ; SOURCE TYPE = VOLUME   :
762     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
763    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
764                                                 DAY OF WEEK = WEEKDAY
765       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
766       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
767      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
768                                                 DAY OF WEEK = SATURDAY
769       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
770       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
771      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
772                                                 DAY OF WEEK = SUNDAY
773       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
774       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
775      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
776    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/17/25
777     *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        11:17:22
778
                                  PAGE  13
779    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
780
781                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
782
783    SOURCE ID = VOL50        ; SOURCE TYPE = VOLUME   :
784     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
785    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
786                                                 DAY OF WEEK = WEEKDAY
787       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
788       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
789      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
790                                                 DAY OF WEEK = SATURDAY
791       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
792       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
793      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
794                                                 DAY OF WEEK = SUNDAY
795       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
796       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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797      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
798   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
799    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
800
                                  PAGE  14
801    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
802
803                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                       WEEK (HRDOW) *
804
805    SOURCE ID = VOL51        ; SOURCE TYPE = VOLUME   :
806     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
807    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
808                                                DAY OF WEEK = WEEKDAY
809       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
810       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
811      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
812                                                DAY OF WEEK = SATURDAY
813       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
814       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
815      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
816                                                DAY OF WEEK = SUNDAY
817       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
818       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
819      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
820   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
821    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
822
                                  PAGE  15
823    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
824
825                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                       WEEK (HRDOW) *
826
827    SOURCE ID = VOL52        ; SOURCE TYPE = VOLUME   :
828     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
829    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
830                                                DAY OF WEEK = WEEKDAY
831       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
832       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
833      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
834                                                DAY OF WEEK = SATURDAY
835       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

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      .0000E+00    7  .0000E+00    8  .0000E+00
836    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
837   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
838                                          DAY OF WEEK = SUNDAY
839    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
840    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
841   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
842  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
843    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
844
                                PAGE  16
845    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
846
847                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
848
849    SOURCE ID = VOL53        ; SOURCE TYPE = VOLUME   :
850     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
851    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
852                                          DAY OF WEEK = WEEKDAY
853    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
854    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .1000E+01
855   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
856                                          DAY OF WEEK = SATURDAY
857    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
858    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
859   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
860                                          DAY OF WEEK = SUNDAY
861    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
862    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
863   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
864  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
865    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
866
                                PAGE  17
867    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
868
869                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
870
871    SOURCE ID = VOL54        ; SOURCE TYPE = VOLUME   :
872     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
873    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 11:17:22

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

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

 SOURCE ID = VOL55        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 11:17:22

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

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

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/17/25

*** AERMET - VERSION 22112 ***

*** ***

11:17:22

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

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

SOURCE ID = VOL57 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```
950       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
951       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
952   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
953    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
954
                                  PAGE  21
955    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
956
957                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
958
959    SOURCE ID = VOL58        ; SOURCE TYPE = VOLUME   :
960     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
961    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
962                                                DAY OF WEEK = WEEKDAY
963       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
964       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
965       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
966                                                DAY OF WEEK = SATURDAY
967       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
968       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
969       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
970                                                DAY OF WEEK = SUNDAY
971       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
972       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
973       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
974   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
975    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
976
                                  PAGE  22
977    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
978
979                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
980
981    SOURCE ID = VOL59        ; SOURCE TYPE = VOLUME   :
982     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
983    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
984                                                DAY OF WEEK = WEEKDAY
985       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
986       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .1000E+01
987       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 11:17:22

                              PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL60        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 11:17:22

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

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

 SOURCE ID = VOL61        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
```

```
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
1027  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
1028                                              DAY OF WEEK = WEEKDAY
1029        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
1030        9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
1031       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
1032                                              DAY OF WEEK = SATURDAY
1033        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
1034        9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
1035       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
1036                                              DAY OF WEEK = SUNDAY
1037        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
1038        9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
1039       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
1040  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***       12/17/25
1041   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
1042
                                   PAGE  25
1043   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1044
1045                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
1046
1047   SOURCE ID = VOL62        ; SOURCE TYPE = VOLUME   :
1048    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
1049  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
1050                                              DAY OF WEEK = WEEKDAY
1051        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
1052        9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
1053       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
1054                                              DAY OF WEEK = SATURDAY
1055        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
1056        9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
1057       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
1058                                              DAY OF WEEK = SUNDAY
1059        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
1060        9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
1061       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
1062  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***       12/17/25
1063   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/17/25

*** AERMET - VERSION 22112 ***

*** ***

11:17:22

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

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(440769.5, 3761316.4, 204.2, 204.2, 2.0); (440885.1, 3761233.7, 203.9, 203.9, 2.0);
(440943.0, 3761237.4, 204.1, 204.1, 2.0); (440769.6, 3761295.0, 204.0, 204.0, 2.0);
(441264.8, 3761237.8, 204.2, 204.2, 2.0); (441396.4, 3761228.1, 204.2, 204.2, 2.0);
(441633.9, 3761229.5, 205.0, 205.0, 2.0); (441839.4, 3761231.3, 205.3, 205.3, 2.0);
(442193.3, 3761092.3, 204.6, 204.6, 2.0); (442736.3, 3761091.7, 204.8, 204.8, 2.0);
(442867.1, 3761089.4, 204.8, 204.8, 2.0); (443107.8, 3761253.3, 207.5, 207.5, 2.0);
(443327.7, 3761050.9, 207.4, 207.4, 2.0); (441881.3, 3762001.4, 211.9, 211.9, 2.0);
(440583.1, 3761320.9, 204.2, 204.2, 2.0); (440579.8, 3761299.8, 204.0, 204.0, 2.0);
(440431.9, 3761496.3, 205.5, 205.5, 2.0); (440335.2, 3761292.1, 203.4, 203.4, 2.0);
(440356.1, 3761232.2, 203.0, 203.0, 2.0); (439969.5,

```
                3761230.1,     201.8,     201.8,       2.0);
1103            ( 439868.6, 3761297.1,     202.8,     202.8,       2.0);         ( 439865.3,
                3761245.2,     202.3,     202.3,       2.0);
1104            ( 440229.8, 3761288.7,     203.2,     203.2,       2.0);         ( 439957.8,
                3761363.2,     203.3,     203.3,       2.0);
1105            ( 439870.7, 3761572.0,     205.6,     205.6,       2.0);         ( 439930.6,
                3761556.5,     205.6,     205.6,       2.0);
1106            ( 439870.7, 3761839.4,     207.7,     207.7,       2.0);         ( 439924.7,
                3761957.0,     209.3,     209.3,       2.0);
1107            ( 439924.3, 3762099.7,     210.4,     210.4,       2.0);         ( 439863.6,
                3762112.3,     210.4,     210.4,       2.0);
1108            ( 439873.3, 3762554.9,     215.7,     215.7,       2.0);         ( 439874.8,
                3762661.3,     217.0,     217.0,       2.0);
1109            ( 439927.5, 3762571.1,     216.2,     216.2,       2.0);         ( 439942.6,
                3762649.5,     217.4,     217.4,       2.0);
1110            ( 439874.2, 3763087.6,     222.5,    2697.3,       2.0);         ( 439872.6,
                3763272.5,     224.9,    2697.3,       2.0);
1111            ( 439876.3, 3763332.4,     225.7,    2697.3,       2.0);         ( 439874.2,
                3763445.8,     226.7,    2697.3,       2.0);
1112            ( 439861.7, 3763702.3,     228.8,    2697.3,       2.0);         ( 439875.1,
                3763945.4,     231.1,    2697.3,       2.0);
1113            ( 440074.3, 3763727.0,     229.9,    2697.3,       2.0);         ( 439872.6,
                3764008.2,     231.9,    2697.3,       2.0);
1114            ( 439873.8, 3764196.5,     234.9,    2697.3,       2.0);         ( 439945.0,
                3764712.1,     241.3,    2697.3,       2.0);
1115            ( 439880.1, 3764775.7,     242.4,    2697.3,       2.0);         ( 439880.5,
                3764900.8,     244.2,    2697.3,       2.0);
1116            ( 439945.0, 3764933.9,     244.6,    2697.3,       2.0);         ( 439951.2,
                3765049.8,     246.2,    2697.3,       2.0);
1117            ( 439880.1, 3765027.6,     245.7,    2697.3,       2.0);         ( 439951.7,
                3765276.2,     249.0,    2697.3,       2.0);
1118            ( 439875.5, 3765270.8,     248.0,    2697.3,       2.0);         ( 439874.5,
                3765815.9,     254.7,    2697.3,       2.0);
1119            ( 440004.8, 3765814.7,     255.3,    2697.3,       2.0);         ( 439865.4,
                3760870.3,     198.7,     198.7,       2.0);
1120            ( 439781.4, 3760421.5,     193.4,     193.4,       2.0);         ( 439860.5,
                3760191.1,     191.6,     191.6,       2.0);
1121            ( 439923.1, 3757937.3,     174.7,     174.7,       2.0);         ( 438973.4,
                3754580.5,     178.9,     369.3,       2.0);
1122            ( 439631.1, 3762694.5,     217.3,     217.3,       2.0);         ( 442816.7,
                3761641.1,     208.8,     208.8,       2.0);
1123            ( 442840.5, 3762023.1,     212.1,     212.1,       2.0);         ( 442844.8,
                3762050.7,     212.6,     212.6,       2.0);
1124            ( 443047.8, 3762051.3,     212.7,     212.7,       2.0);         ( 443029.0,
                3762020.3,     212.2,     212.2,       2.0);
1125            ( 443122.6, 3762052.8,     212.8,     212.8,       2.0);         ( 443438.8,
                3762060.8,     214.3,     214.3,       2.0);
1126            ( 443421.5, 3762034.5,     213.9,     213.9,       2.0);         ( 443872.9,
                3762120.0,     216.1,     216.1,       2.0);
1127            ( 444355.8, 3762116.9,     217.5,     217.5,       2.0);         ( 445022.6,
                3761786.0,     213.6,     213.6,       2.0);
1128            ( 445316.7, 3762043.1,     217.2,     217.2,       2.0);         ( 445303.9,
                3761970.2,     216.4,     216.4,       2.0);
1129            ( 445607.2, 3762043.1,     218.4,     218.4,       2.0);         ( 445882.1,
                3762042.1,     218.6,     218.6,       2.0);
1130            ( 446067.7, 3761982.5,     218.7,     218.7,       2.0);         ( 446058.9,
                3762058.3,     219.7,     219.7,       2.0);
1131            ( 446255.2, 3762062.1,     219.9,     219.9,       2.0);         ( 446484.2,
                3762227.1,     221.2,     221.2,       2.0);
1132            ( 446439.9, 3762290.6,     222.0,    2697.3,       2.0);         ( 446749.2,
                3762427.5,     224.0,    2697.3,       2.0);
1133            ( 446844.3, 3762432.2,     222.5,    2697.3,       2.0);         ( 447224.7,
                3762429.5,     223.9,    2697.3,       2.0);
1134            ( 447272.4, 3762441.7,     223.6,    2697.3,       2.0);         ( 446893.4,
                3762355.1,     222.3,    2697.3,       2.0);
1135            ( 447657.6, 3762177.9,     222.7,     222.7,       2.0);         ( 439164.0,
```

```
     3762679.5,     215.5,     215.5,       2.0);
1136      ( 442309.7, 3758691.6,     188.5,     188.5,       2.0);         ( 441607.6,
     3758831.7,     186.8,     186.8,       2.0);
1137      ( 442346.3, 3758837.4,     190.3,     190.3,       2.0);         ( 442782.9,
     3758835.7,     190.9,     190.9,       2.0);
1138  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
1139   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
1140
                                  PAGE  28
1141   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1142
1143                                            *** DISCRETE CARTESIAN RECEPTORS ***
1144                                          (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
1145                                                      (METERS)
1146
1147      ( 443526.5, 3758833.3,     191.7,     191.7,       2.0);         ( 441007.8,
     3758832.8,     184.8,     184.8,       2.0);
1148      ( 442733.1, 3762008.7,     212.4,     212.4,       2.0);         ( 442555.0,
     3762014.4,     212.8,     212.8,       2.0);
1149      ( 442372.4, 3762032.7,     213.0,     213.0,       2.0);         ( 442471.3,
     3762020.1,     214.1,     214.1,       2.0);
1150      ( 442309.0, 3762003.2,     212.4,     212.4,       2.0);         ( 442267.2,
     3762011.9,     212.5,     212.5,       2.0);
1151      ( 442157.9, 3762010.7,     211.7,     211.7,       2.0);         ( 442023.5,
     3762012.6,     211.7,     211.7,       2.0);
1152      ( 441918.4, 3762014.9,     211.7,     211.7,       2.0);         ( 441564.9,
     3762038.2,     210.7,     210.7,       2.0);
1153      ( 441257.3, 3761984.8,     210.4,     210.4,       2.0);         ( 441170.8,
     3762020.0,     210.5,     210.5,       2.0);
1154      ( 440928.2, 3762012.3,     211.3,     211.3,       2.0);         ( 440604.7,
     3762011.0,     210.7,     210.7,       2.0);
1155      ( 440672.3, 3761517.5,     205.9,     205.9,       2.0);         ( 441235.1,
     3761842.0,     208.9,     208.9,       2.0);
1156  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/17/25
1157   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
1158
                                  PAGE  29
1159   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1160
1161                                            *** METEOROLOGICAL DAYS SELECTED FOR
                                                PROCESSING ***
1162                                                          (1=YES; 0=NO)
1163
1164            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1165            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1166            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1167            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1168            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1169            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1170            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
1171            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1172
1173                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT
```

IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file:
KCNO_V11_trimmed.sfc
Met Version: 22112
Profile file:
KCNO_V11_trimmed.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2017 Year: 2017

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
17	01	01	1	01	-17.3	0.174	-9.000	-9.000	-999.	175.	33.5	0.02	0.54	1.00	2.86	261.	7.9	279.2	2.0
17	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.05	0.54	1.00	0.00	0.	7.9	279.2	2.0
17	01	01	1	03	-18.3	0.185	-9.000	-9.000	-999.	191.	37.7	0.11	0.54	1.00	2.09	340.	7.9	279.2	2.0
17	01	01	1	04	-5.5	0.091	-9.000	-9.000	-999.	70.	12.0	0.02	0.54	1.00	1.52	89.	7.9	279.2	2.0
17	01	01	1	05	-12.5	0.150	-9.000	-9.000	-999.	139.	24.7	0.14	0.54	1.00	1.62	13.	7.9	277.5	2.0
17	01	01	1	06	-9.0	0.126	-9.000	-9.000	-999.	107.	19.4	0.12	0.54	1.00	1.43	317.	7.9	277.5	2.0
17	01	01	1	07	-3.0	0.067	-9.000	-9.000	-999.	43.	9.0	0.02	0.54	1.00	1.13	255.	7.9	277.0	2.0
17	01	01	1	08	-5.8	0.097	-9.000	-9.000	-999.	73.	14.0	0.02	0.54	0.53	1.60	93.	7.9	277.5	2.0
17	01	01	1	09	22.2	0.091	0.366	0.005	78.	66.	-3.0	0.02	0.54	0.31	0.97	35.	7.9	280.3	2.0
17	01	01	1	10	54.8	0.172	0.954	0.005	559.	172.	-8.2	0.02	0.54	0.24	2.11	70.	7.9	283.8	2.0
17	01	01	1	11	76.8	0.224	1.251	0.005	899.	254.	-12.9	0.02	0.54	0.21	2.83	99.	7.9	285.9	2.0
17	01	01	1	12	73.6	0.126	1.297	0.005	1045.	111.	-2.4	0.02	0.54	0.20	1.31	107.	7.9	285.9	2.0

```
17 01 01   1 13   86.2  0.147  1.404  0.005 1133.  135.     -3.3  0.02   0.54   0.20
1.60  234.    7.9  286.4    2.0
17 01 01   1 14   62.5  0.198  1.284  0.005 1194.  211.    -10.9  0.02   0.54   0.21
2.49  291.    7.9  288.1    2.0
17 01 01   1 15   42.3  0.319  1.138  0.005 1231.  433.    -67.8  0.02   0.54   0.25
4.65  247.    7.9  286.4    2.0
17 01 01   1 16    1.0  0.222  0.331  0.005 1232.  256.   -941.4  0.02   0.54   0.34
3.40  241.    7.9  286.4    2.0
17 01 01   1 17  -14.2  0.170 -9.000 -9.000 -999.  170.     31.9  0.02   0.54   0.61
2.69  233.    7.9  285.9    2.0
17 01 01   1 18  -16.2  0.167 -9.000 -9.000 -999.  164.     30.6  0.02   0.54   1.00
2.74  250.    7.9  285.3    2.0
17 01 01   1 19  -25.0  0.257 -9.000 -9.000 -999.  312.     72.6  0.02   0.54   1.00
4.14  243.    7.9  284.8    2.0
17 01 01   1 20  -22.6  0.232 -9.000 -9.000 -999.  269.     59.3  0.02   0.54   1.00
3.63  226.    7.9  284.8    2.0
17 01 01   1 21  -14.9  0.156 -9.000 -9.000 -999.  149.     26.7  0.03   0.54   1.00
2.28  151.    7.9  284.2    2.0
17 01 01   1 22  -15.7  0.169 -9.000 -9.000 -999.  167.     31.5  0.14   0.54   1.00
1.81   14.    7.9  283.8    2.0
17 01 01   1 23   -7.9  0.117 -9.000 -9.000 -999.   97.     18.1  0.11   0.54   1.00
1.37  358.    7.9  283.8    2.0
17 01 01   1 24   -7.7  0.108 -9.000 -9.000 -999.   85.     14.6  0.02   0.54   1.00
1.77   94.    7.9  282.5    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 17 01 01 01    7.9 1  261.    2.86   279.3   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 11:17:22

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

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  EXH      ***
                                    INCLUDING SOURCE(S):     VOL43       , VOL44       ,
                                    VOL45       , VOL46       , VOL47       ,
                VOL48       , VOL49       , VOL50       , VOL51       , VOL52       ,
                VOL53       , VOL54       , VOL55       ,
                VOL56       , VOL57       , VOL58       , VOL59       , VOL60       ,
                VOL61       , VOL62       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF OTHER    IN
                                       MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
     Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
       440769.54   3761316.44     1685.80224  (21122916)               440885.08
       3761233.72     1245.31554  (22120216)
       440942.99   3761237.37      990.61043  (22120216)               440769.57
       3761294.98     1886.39655  (21122916)
       441264.79   3761237.83      585.56432  (21123016)               441396.39
       3761228.15      395.08662  (21121316)
       441633.90   3761229.53      276.78294  (21121316)               441839.43
       3761231.28      195.55329  (21121316)
```

1250 442193.26 3761092.32 120.65790 (21121316) 442736.29
3761091.73 60.08168 (22122916)
1251 442867.08 3761089.40 55.92254 (22122916) 443107.85
3761253.32 44.62772 (22122916)
1252 443327.70 3761050.95 41.68851 (22122916) 441881.29
3762001.44 121.72009 (23111516)
1253 440583.15 3761320.92 671.86433 (21122916) 440579.83
3761299.75 665.62347 (21122916)
1254 440431.88 3761496.28 281.60215 (18120516) 440335.22
3761292.06 340.79921 (21122916)
1255 440356.14 3761232.22 384.29077 (21122916) 439969.47
3761230.13 146.14323 (21122316)
1256 439868.62 3761297.08 120.27568 (21122316) 439865.27
3761245.19 127.78196 (21122316)
1257 440229.76 3761288.71 238.83322 (21122916) 439957.76
3761363.20 126.03439 (23010316)
1258 439870.71 3761572.02 154.71027 (18120516) 439930.56
3761556.53 161.37410 (18120516)
1259 439870.71 3761839.42 111.81395 (18120516) 439924.70
3761957.01 69.25465 (23120516)
1260 439924.28 3762099.71 64.25545 (23120516) 439863.60
3762112.26 60.04677 (23120516)
1261 439873.26 3762554.88 41.25142 (21030316) 439874.80
3762661.28 39.04748 (21030316)
1262 439927.48 3762571.08 43.43413 (21030316) 439942.64
3762649.46 39.21403 (21030316)
1263 439874.24 3763087.57 25.70200 (17122509) 439872.56
3763272.54 24.63849 (17122509)
1264 439876.33 3763332.38 23.92253 (17122509) 439874.24
3763445.79 22.95578 (22123009)
1265 439861.68 3763702.32 23.51612 (22123009) 439875.08
3763945.45 22.16880 (22123009)
1266 440074.27 3763727.01 24.53830 (23122909) 439872.56
3764008.22 21.58034 (22123009)
1267 439873.82 3764196.54 21.48126 (23122909) 439944.96
3764712.10 23.84477 (22123016)
1268 439880.10 3764775.71 21.11874 (22123016) 439880.52
3764900.83 21.65560 (22123016)
1269 439944.96 3764933.89 23.79422 (22123016) 439951.24
3765049.81 23.47549 (22123016)
1270 439880.10 3765027.63 21.83695 (22123016) 439951.66
3765276.21 21.96029 (22123016)
1271 439875.49 3765270.77 21.33115 (22123016) 439874.50
3765815.86 17.91615 (22123016)
1272 440004.83 3765814.70 15.61046 (22123016) 439865.36
3760870.32 183.35963 (21122916)
1273 439781.42 3760421.48 48.96685 (23010315) 439860.47
3760191.14 40.06249 (18120615)
1274 439923.10 3757937.26 16.47335 (22120216) 438973.38
3754580.48 9.29911 (23010910)
1275 439631.09 3762694.55 30.22767 (21030316) 442816.66
3761641.08 38.06952 (23121916)
1276 442840.46 3762023.13 45.65594 (23122116) 442844.83
3762050.67 47.12367 (23122116)
1277 443047.82 3762051.32 36.64393 (23122116) 443029.03
3762020.29 35.17794 (23122116)
1278 443122.56 3762052.85 33.21798 (23122116) 443438.77
3762060.83 22.14817 (17053010)
1279 443421.50 3762034.46 22.31856 (17053010) 443872.88
3762119.96 19.97835 (17053010)
1280 444355.79 3762116.93 17.67519 (17053010) 445022.64
3761785.97 16.28253 (23091509)
1281 445316.67 3762043.06 14.99540 (23012509) 445303.86
3761970.17 15.21365 (23012509)
1282 445607.24 3762043.06 14.41125 (23012509) 445882.06
3762042.08 13.88182 (23012509)

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          446067.74   3761982.48       13.55539  (23012509)                446058.87
          3762058.33       13.53367  (23012509)
          446255.23   3762062.11       13.18495  (23012509)                446484.25
          3762227.10       12.40636  (23012509)
          446439.92   3762290.63       12.14726  (23012509)                446749.22
          3762427.55       11.59211  (17053010)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 11:17:22

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

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  EXH      ***
                                    INCLUDING SOURCE(S):     VOL43       , VOL44       ,
                                    VOL45       , VOL46       , VOL47       ,
                  VOL48       , VOL49       , VOL50       , VOL51       , VOL52       ,
                  VOL53       , VOL54       , VOL55       ,
                  VOL56       , VOL57       , VOL58       , VOL59       , VOL60       ,
                  VOL61       , VOL62       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF OTHER    IN
                                       MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
      Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
          446844.30   3762432.18       11.41617  (17010211)                447224.68
          3762429.46       10.87173  (23102510)
          447272.39   3762441.73       10.78650  (23102510)                446893.38
          3762355.15       11.41441  (23102510)
          447657.60   3762177.92       11.09682  (23012509)                439164.02
          3762679.50       27.83603  (18110609)
          442309.67   3758691.58       22.58079  (21123016)                441607.59
          3758831.67       19.48563  (17020309)
          442346.32   3758837.37       26.13357  (21123016)                442782.88
          3758835.74       16.33666  (17010209)
          443526.49   3758833.30       19.04743  (23113011)                441007.77
          3758832.80       20.17197  (17020612)
          442733.11   3762008.67       51.14584  (23122116)                442555.03
          3762014.43       63.05605  (23122116)
          442372.42   3762032.69       75.35983  (23122116)                442471.33
          3762020.14       68.82760  (23122116)
          442309.05   3762003.23       80.81011  (23122116)                442267.23
          3762011.88       83.78278  (23122116)
          442157.88   3762010.71       92.47530  (23122116)                442023.53
          3762012.58      102.36417  (23122116)
          441918.37   3762014.94      111.52004  (23111516)                441564.90
          3762038.22      274.27576  (23111516)
          441257.28   3761984.82      480.70445  (21122816)                441170.84
          3762020.05      401.93433  (17011015)
          440928.18   3762012.31      564.91993  (22123016)                440604.66
          3762010.98      174.37010  (21030316)
          440672.33   3761517.55      846.64133  (21122916)                441235.13
          3761841.99     1068.87865  (23111516)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 11:17:22
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DUST ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
440769.54	3761316.44	99.20557	(21122916)	440885.08	3761233.72	72.68083	(22120216)
440942.99	3761237.37	74.76494	(22120216)	440769.57	3761294.98	98.43392	(21122916)
441264.79	3761237.83	49.01169	(21121316)	441396.39	3761228.15	34.57887	(21121316)
441633.90	3761229.53	22.65122	(21121316)	441839.43	3761231.28	16.04281	(21121316)
442193.26	3761092.32	9.91413	(21121316)	442736.29	3761091.73	4.00748	(22122916)
442867.08	3761089.40	3.72252	(22122916)	443107.85	3761253.32	3.48153	(22012409)
443327.70	3761050.95	3.15293	(17011012)	441881.29	3762001.44	7.09635	(23111516)
440583.15	3761320.92	38.88337	(21122916)	440579.83	3761299.75	38.49794	(21122916)
440431.88	3761496.28	19.94015	(18120516)	440335.22	3761292.06	19.48129	(21122916)
440356.14	3761232.22	22.01394	(21122916)	439969.47	3761230.13	10.41227	(21122316)
439868.62	3761297.08	8.92798	(21122316)	439865.27	3761245.19	9.39408	(21122316)
440229.76	3761288.71	13.43751	(21122316)	439957.76	3761363.20	8.99804	(21122316)
439870.71	3761572.02	11.34968	(18120516)	439930.56	3761556.53	11.83559	(18120516)
439870.71	3761839.42	7.71592	(18120516)	439924.70	3761957.01	4.79834	(22011316)
439924.28	3762099.71	4.74964	(17122009)	439863.60	3762112.26	4.70566	(17122009)
439873.26	3762554.88	4.30387	(23011110)	439874.80	3762661.28	4.31667	(23011110)
439927.48	3762571.08	4.46526	(23011110)	439942.64	3762649.46	4.32520	(23011110)
439874.24	3763087.57	3.55645	(21122009)	439872.56	3763272.54	3.31811	(23121209)
439876.33	3763332.38	3.53141	(23121209)	439874.24	3763445.79	3.76442	(23121209)
439861.68	3763702.32	3.79820	(23121209)	439875.08	3763945.45	3.31591	(23121209)
440074.27	3763727.01	3.56855	(17013109)	439872.56	3764008.22	3.19938	(17013109)
439873.82	3764196.54	3.18838	(17013109)	439944.96	3764712.10	2.52991	(22012509)
439880.10	3764775.71	2.54939	(22012509)	439880.52	3764900.83	2.43804	(22012509)
439944.96	3764933.89	2.27934	(17020110)	439951.24	3765049.81	2.18905	(17020110)
439880.10	3765027.63	2.30640	(22012509)	439951.66			

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          3765276.21       1.98539  (17020110)
1355      439875.49   3765270.77       2.11518  (17020110)               439874.50
          3765815.86       1.89639  (23121210)
1356      440004.83   3765814.70       2.00864  (23121210)               439865.36
          3760870.32      10.86569  (21122916)
1357      439781.42   3760421.48       3.54998  (23012009)               439860.47
          3760191.14       3.22984  (22122911)
1358      439923.10   3757937.26       2.28307  (17010510)               438973.38
          3754580.48       1.51866  (17010510)
1359      439631.09   3762694.55       3.66984  (23011110)               442816.66
          3761641.08       3.51600  (22011909)
1360      442840.46   3762023.13       3.74746  (23011109)               442844.83
          3762050.67       3.66764  (23011109)
1361      443047.82   3762051.32       3.61817  (23011109)               443029.03
          3762020.29       3.65073  (23011109)
1362      443122.56   3762052.85       3.57541  (23011109)               443438.77
          3762060.83       3.30942  (23011109)
1363      443421.50   3762034.46       3.27258  (23011109)               443872.88
          3762119.96       2.97571  (23011109)
1364      444355.79   3762116.93       2.93020  (23121109)               445022.64
          3761785.97       2.37453  (22011909)
1365      445316.67   3762043.06       2.53185  (23121109)               445303.86
          3761970.17       2.39444  (23121109)
1366      445607.24   3762043.06       2.37424  (23121109)               445882.06
          3762042.08       2.22792  (23121109)
1367      446067.74   3761982.48       1.99495  (23121109)               446058.87
          3762058.33       2.17058  (23121109)
1368      446255.23   3762062.11       2.08280  (23121109)               446484.25
          3762227.10       2.22183  (23121109)
1369      446439.92   3762290.63       2.26904  (23121109)               446749.22
          3762427.55       2.17076  (23121109)
1370  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
1371   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
1372
                                PAGE  34
1373   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1374
1375                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  DUST     ***
1376                                INCLUDING SOURCE(S):     PAREA1      ,
1377
1378                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
1379
1380                                     ** CONC OF OTHER    IN
                                         MICROGRAMS/M**3                          **
1381
1382        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
1383   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - -
1384          446844.30   3762432.18       2.15419  (23121109)               447224.68
              3762429.46       2.08511  (23121109)
1385          447272.39   3762441.73       2.07469  (23121109)               446893.38
              3762355.15       2.15786  (23121109)
1386          447657.60   3762177.92       1.72043  (23121109)               439164.02
              3762679.50       3.06011  (17031009)
1387          442309.67   3758691.58       2.33367  (18013109)               441607.59
              3758831.67       2.89523  (17020309)
1388          442346.32   3758837.37       2.74963  (18013109)               442782.88
              3758835.74       3.17457  (21021009)
1389          443526.49   3758833.30       2.18165  (23011909)               441007.77
              3758832.80       2.95364  (17112409)
1390          442733.11   3762008.67       3.80814  (23011109)               442555.03
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          3762014.43       3.98309  (22122309)
1391      442372.42   3762032.69       4.31627  (22122309)               442471.33
          3762020.14       4.16311  (22122309)
1392      442309.05   3762003.23       4.47088  (18111916)               442267.23
          3762011.88       4.62959  (18111916)
1393      442157.88   3762010.71       5.13477  (18111916)               442023.53
          3762012.58       5.81600  (18111916)
1394      441918.37   3762014.94       6.54121  (23111516)               441564.90
          3762038.22      15.98428  (21122716)
1395      441257.28   3761984.82      28.66943  (21122816)               441170.84
          3762020.05      22.31896  (21122816)
1396      440928.18   3762012.31      32.06695  (22123016)               440604.66
          3762010.98      10.52627  (23112216)
1397      440672.33   3761517.55      50.49761  (21122916)               441235.13
          3761841.99      52.17986  (23111516)
1398  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***       12/17/25
1399   *** AERMET - VERSION  22112 ***
       ***                                                                  ***
       11:17:22
1400
                                  PAGE  35
1401   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1402
1403                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  EXH      ***
1404                                  INCLUDING SOURCE(S):     VOL43       , VOL44       ,
                                      VOL45       , VOL46       , VOL47       ,
1405                  VOL48       , VOL49       , VOL50       , VOL51       , VOL52       ,
                      VOL53       , VOL54       , VOL55       ,
1406                  VOL56       , VOL57       , VOL58       , VOL59       , VOL60       ,
                      VOL61       , VOL62       ,
1407
1408                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***
1409
1410                                        ** CONC OF OTHER    IN
                                            MICROGRAMS/M**3                          **
1411
1412        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
1413    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - - - -
1414          440769.54   3761316.44      608.11734  (23010316)               440885.08
              3761233.72      384.06540  (22120216)
1415          440942.99   3761237.37      334.60711  (21123016)               440769.57
              3761294.98      547.09871  (23010316)
1416          441264.79   3761237.83      230.44676  (23121316)               441396.39
              3761228.15      117.89250  (23121316)
1417          441633.90   3761229.53       57.11453  (22122916)               441839.43
              3761231.28       38.82670  (22122916)
1418          442193.26   3761092.32       21.90172c (18030216)               442736.29
              3761091.73       13.22431c (18030216)
1419          442867.08   3761089.40       11.99944  (22122916)               443107.85
              3761253.32        9.20466  (23051816)
1420          443327.70   3761050.95        8.86123  (22122916)               441881.29
              3762001.44       52.28404  (21120916)
1421          440583.15   3761320.92      188.94425  (23010316)               440579.83
              3761299.75      183.58296  (23010316)
1422          440431.88   3761496.28      108.67080  (17021716)               440335.22
              3761292.06       80.44540  (23010316)
1423          440356.14   3761232.22       77.71109  (23010316)               439969.47
              3761230.13       33.02699  (23010316)
1424          439868.62   3761297.08       28.63720  (23010316)               439865.27
              3761245.19       28.00712  (23010316)
1425          440229.76   3761288.71       60.26241  (23010316)               439957.76
              3761363.20       34.99259  (17021716)
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439870.71   3761572.02       36.32408  (17021716)                439930.56
3761556.53       40.17294  (17021716)
439870.71   3761839.42       25.13518  (18120516)                439924.70
3761957.01       24.67801m (23013016)
439924.28   3762099.71       22.66151  (23021016)                439863.60
3762112.26       20.02110  (23021016)
439873.26   3762554.88       12.86403  (23021016)                439874.80
3762661.28       10.65665  (18010816)
439927.48   3762571.08       11.89286  (23021016)                439942.64
3762649.46       11.51878  (18010816)
439874.24   3763087.57       10.01261  (18010816)                439872.56
3763272.54        8.50364  (18010816)
439876.33   3763332.38        7.92405  (18010816)                439874.24
3763445.79        6.89095  (18010816)
439861.68   3763702.32        6.73241  (17122616)                439875.08
3763945.45        6.68885  (17122616)
440074.27   3763727.01        7.44455  (17122616)                439872.56
3764008.22        6.61223  (17122616)
439873.82   3764196.54        6.33500  (17122616)                439944.96
3764712.10        5.17770  (17122616)
439880.10   3764775.71        5.17882  (17122616)                439880.52
3764900.83        4.92288  (17122616)
439944.96   3764933.89        4.69922  (17122616)                439951.24
3765049.81        4.44576  (17122616)
439880.10   3765027.63        4.67277  (17122616)                439951.66
3765276.21        4.01471  (17122616)
439875.49   3765270.77        4.23034  (17122616)                439874.50
3765815.86        3.36290  (17122616)
440004.83   3765814.70        3.01124  (17122616)                439865.36
3760870.32       26.19773  (21122916)
439781.42   3760421.48       19.19131  (17122116)                439860.47
3760191.14       16.04242  (21011916)
439923.10   3757937.26        4.29461  (17010516)                438973.38
3754580.48        2.39480  (17010516)
439631.09   3762694.55        9.73153  (23021016)                442816.66
3761641.08       14.85492  (23060916)
442840.46   3762023.13       13.45909  (17021316)                442844.83
3762050.67       13.59526  (23060516)
443047.82   3762051.32       11.64299  (17021316)                443029.03
3762020.29       11.89100  (17021316)
443122.56   3762052.85       11.12750  (17021316)                443438.77
3762060.83        9.30328  (17021316)
443421.50   3762034.46        9.39416  (17021316)                443872.88
3762119.96        7.56052  (17021316)
444355.79   3762116.93        6.22149  (17021316)                445022.64
3761785.97        5.84677  (23031416)
445316.67   3762043.06        4.87315  (23060916)                445303.86
3761970.17        4.96524  (23060916)
445607.24   3762043.06        4.60463  (23060916)                445882.06
3762042.08        4.37712  (23060916)
446067.74   3761982.48        4.23996  (23060916)                446058.87
3762058.33        4.23200  (23060916)
446255.23   3762062.11        4.09155  (23060916)                446484.25
3762227.10        3.80352  (23060916)
446439.92   3762290.63        3.89178  (17021016)                446749.22
3762427.55        3.93103  (17021016)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 11:17:22

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

                              *** THE  1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
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                                FOR SOURCE GROUP:  EXH      ***
1460                                INCLUDING SOURCE(S):     VOL43       , VOL44       ,
                                    VOL45       , VOL46       , VOL47       ,
1461                  VOL48       , VOL49       , VOL50       , VOL51       , VOL52       ,
                      VOL53       , VOL54       , VOL55       ,
1462                  VOL56       , VOL57       , VOL58       , VOL59       , VOL60       ,
                      VOL61       , VOL62       ,
1463
1464                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***
1465
1466                                     ** CONC OF OTHER    IN
                                         MICROGRAMS/M**3                          **
1467
1468       X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
          Y-COORD (M)        CONC     (YYMMDDHH)
1469    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - -
1470           446844.30   3762432.18        3.86192  (17021016)               447224.68
               3762429.46        3.53931  (17021016)
1471           447272.39   3762441.73        3.52953  (17021016)               446893.38
               3762355.15        3.63912  (17021016)
1472           447657.60   3762177.92        3.31074  (23060916)               439164.02
               3762679.50        8.89465  (23021016)
1473           442309.67   3758691.58        5.32226  (23120816)               441607.59
               3758831.67        7.30070  (23120416)
1474           442346.32   3758837.37        5.59030  (23120816)               442782.88
               3758835.74        4.89243  (23121316)
1475           443526.49   3758833.30        3.92084  (17112116)               441007.77
               3758832.80        6.61903  (23022716)
1476           442733.11   3762008.67       15.06702  (23060516)               442555.03
               3762014.43       19.13662  (23060516)
1477           442372.42   3762032.69       24.12203  (23060516)               442471.33
               3762020.14       21.28545  (23060516)
1478           442309.05   3762003.23       26.35642  (23060516)               442267.23
               3762011.88       27.72548  (23060516)
1479           442157.88   3762010.71       31.90385  (23060516)               442023.53
               3762012.58       37.42236  (23060516)
1480           441918.37   3762014.94       48.33017  (21120916)               441564.90
               3762038.22       91.00801  (21120916)
1481           441257.28   3761984.82      188.21731  (21122816)               441170.84
               3762020.05      124.17802  (21122816)
1482           440928.18   3762012.31      102.57330  (22123016)               440604.66
               3762010.98       81.10543  (23021016)
1483           440672.33   3761517.55      257.00783  (17021716)               441235.13
               3761841.99      412.69540  (21122816)
1484    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
        Eucalyptus BP\16285 Ops H ***        12/17/25
1485     *** AERMET - VERSION  22112 ***
         ***                                                                    ***
         11:17:22
1486
                                PAGE  37
1487     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1488
1489                            *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  DUST     ***
1490                                INCLUDING SOURCE(S):     PAREA1      ,
1491
1492                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***
1493
1494                                     ** CONC OF OTHER    IN
                                         MICROGRAMS/M**3                          **
1495
1496       X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
          Y-COORD (M)        CONC     (YYMMDDHH)
1497    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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1498	440769.54	3761316.44	38.38256	(23010316)	440885.08
	3761233.72		24.23263	(22120216)	
1499	440942.99	3761237.37	24.14914	(22120216)	440769.57
	3761294.98		37.57308	(23010316)	
1500	441264.79	3761237.83	18.04066	(23121316)	441396.39
	3761228.15		8.45550	(21121716)	
1501	441633.90	3761229.53	3.75085	(21121716)	441839.43
	3761231.28		2.50552	(22011716)	
1502	442193.26	3761092.32	1.65212c	(18030216)	442736.29
	3761091.73		0.92489c	(18030216)	
1503	442867.08	3761089.40	0.83178	(22122916)	443107.85
	3761253.32		0.71015	(17010416)	
1504	443327.70	3761050.95	0.70780	(23051616)	441881.29
	3762001.44		2.89219	(21120916)	
1505	440583.15	3761320.92	11.63694	(23010316)	440579.83
	3761299.75		11.45100	(23010316)	
1506	440431.88	3761496.28	6.45181	(17021716)	440335.22
	3761292.06		5.07030	(23010316)	
1507	440356.14	3761232.22	4.97907	(23010316)	439969.47
	3761230.13		2.09557	(21122316)	
1508	439868.62	3761297.08	1.87977	(21122316)	439865.27
	3761245.19		1.89092	(21122316)	
1509	440229.76	3761288.71	3.76126	(23010316)	439957.76
	3761363.20		2.03427	(21122316)	
1510	439870.71	3761572.02	2.18445	(18120516)	439930.56
	3761556.53		2.35076	(17021716)	
1511	439870.71	3761839.42	1.75333	(18120516)	439924.70
	3761957.01		1.51782m	(23013016)	
1512	439924.28	3762099.71	1.38759	(23021016)	439863.60
	3762112.26		1.22679	(23021016)	
1513	439873.26	3762554.88	0.87325c	(18111916)	439874.80
	3762661.28		0.79452	(22120916)	
1514	439927.48	3762571.08	0.84808c	(18111916)	439942.64
	3762649.46		0.85143	(18010816)	
1515	439874.24	3763087.57	0.82043	(18010816)	439872.56
	3763272.54		0.69507	(17021416)	
1516	439876.33	3763332.38	0.69828	(17021416)	439874.24
	3763445.79		0.67852	(17021416)	
1517	439861.68	3763702.32	0.56373	(17021416)	439875.08
	3763945.45		0.55240	(21021916)	
1518	440074.27	3763727.01	0.67013	(21021916)	439872.56
	3764008.22		0.56613	(21021916)	
1519	439873.82	3764196.54	0.59352	(21021916)	439944.96
	3764712.10		0.54716	(22012516)	
1520	439880.10	3764775.71	0.55474	(22012516)	439880.52
	3764900.83		0.52682	(22012516)	
1521	439944.96	3764933.89	0.48552	(22012516)	439951.24
	3765049.81		0.44695	(22012516)	
1522	439880.10	3765027.63	0.49520	(22012516)	439951.66
	3765276.21		0.37923	(22012516)	
1523	439875.49	3765270.77	0.43187	(22012516)	439874.50
	3765815.86		0.29725	(17122616)	
1524	440004.83	3765814.70	0.26023	(23121216)	439865.36
	3760870.32		1.49622	(21122916)	
1525	439781.42	3760421.48	1.19008	(17122116)	439860.47
	3760191.14		0.98532	(21011916)	
1526	439923.10	3757937.26	0.46203	(17010516)	438973.38
	3754580.48		0.25737	(17010516)	
1527	439631.09	3762694.55	0.72172c	(18111916)	442816.66
	3761641.08		1.01205	(23060916)	
1528	442840.46	3762023.13	1.01045	(18102516)	442844.83
	3762050.67		0.99904	(18102516)	
1529	443047.82	3762051.32	0.92925	(18102516)	443029.03
	3762020.29		0.93310	(18102516)	
1530	443122.56	3762052.85	0.90185	(18102516)	443438.77

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          3762060.83        0.79172  (18102516)
1531      443421.50   3762034.46        0.78513  (18102516)                443872.88
          3762119.96        0.68808  (18102516)
1532      444355.79   3762116.93        0.56868  (18102516)                445022.64
          3761785.97        0.48685  (23031416)
1533      445316.67   3762043.06        0.37189  (17021316)                445303.86
          3761970.17        0.39190  (21020816)
1534      445607.24   3762043.06        0.34684  (17081116)                445882.06
          3762042.08        0.34211  (21020816)
1535      446067.74   3761982.48        0.36645  (21020816)                446058.87
          3762058.33        0.33167  (21020816)
1536      446255.23   3762062.11        0.32761  (21020816)                446484.25
          3762227.10        0.31054  (17021316)
1537      446439.92   3762290.63        0.33522  (18102516)                446749.22
          3762427.55        0.35290  (18102516)
1538  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***       12/17/25
1539   *** AERMET - VERSION  22112 ***
       ***                                                                  ***
       11:17:22
1540
                                  PAGE  38
1541   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1542
1543                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  DUST     ***
1544                                  INCLUDING SOURCE(S):     PAREA1      ,
1545
1546                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
1547
1548                                      ** CONC OF OTHER    IN
                                          MICROGRAMS/M**3                          **
1549
1550        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
           Y-COORD (M)        CONC     (YYMMDDHH)
1551    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - - - -
1552          446844.30   3762432.18        0.34552  (18102516)                447224.68
              3762429.46        0.31052  (18102516)
1553          447272.39   3762441.73        0.31040  (18102516)                446893.38
              3762355.15        0.31498  (18102516)
1554          447657.60   3762177.92        0.26926  (21020816)                439164.02
              3762679.50        0.55110  (23021016)
1555          442309.67   3758691.58        0.58890  (23112916)                441607.59
              3758831.67        0.82279  (23120416)
1556          442346.32   3758837.37        0.62571  (23120816)                442782.88
              3758835.74        0.55593  (18010216)
1557          443526.49   3758833.30        0.45175  (18111516)                441007.77
              3758832.80        0.74726  (17111316)
1558          442733.11   3762008.67        1.05552  (18102516)                442555.03
              3762014.43        1.14246  (23060516)
1559          442372.42   3762032.69        1.37316  (23060516)                442471.33
              3762020.14        1.24607  (23060516)
1560          442309.05   3762003.23        1.50204  (23060516)                442267.23
              3762011.88        1.55902  (23060516)
1561          442157.88   3762010.71        1.76029  (23060516)                442023.53
              3762012.58        2.06297  (21120916)
1562          441918.37   3762014.94        2.66730  (21120916)                441564.90
              3762038.22        4.82382  (21120916)
1563          441257.28   3761984.82       10.18283  (21122816)                441170.84
              3762020.05        7.30692  (21122816)
1564          440928.18   3762012.31        6.19634  (17010316)                440604.66
              3762010.98        4.33015  (23021016)
1565          440672.33   3761517.55       16.81922  (17021716)                441235.13
              3761841.99       20.82245  (21120916)
1566  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: EXH ***
INCLUDING SOURCE(S): VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 , VOL49 , VOL50 , VOL51 , VOL52 , VOL53 , VOL54 , VOL55 , VOL56 , VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
440769.54	3761316.44	202.70578	(23010324)	440885.08	3761233.72	128.02180	(22120224)
440942.99	3761237.37	111.53570	(21123024)	440769.57	3761294.98	182.36624	(23010324)
441264.79	3761237.83	76.81559	(23121324)	441396.39	3761228.15	40.24172c	(22122924)
441633.90	3761229.53	21.75792c	(22122924)	441839.43	3761231.28	14.79112c	(22122924)
442193.26	3761092.32	7.30057c	(18030224)	442736.29	3761091.73	4.98712c	(22122924)
442867.08	3761089.40	4.57122c	(22122924)	443107.85	3761253.32	3.48359c	(22122924)
443327.70	3761050.95	3.37571c	(22122924)	441881.29	3762001.44	17.42801	(21120924)
440583.15	3761320.92	62.98142	(23010324)	440579.83	3761299.75	61.19432	(23010324)
440431.88	3761496.28	36.22360	(17021724)	440335.22	3761292.06	26.81513	(23010324)
440356.14	3761232.22	25.90370	(23010324)	439969.47	3761230.13	11.00900	(23010324)
439868.62	3761297.08	9.54573	(23010324)	439865.27	3761245.19	9.33571	(23010324)
440229.76	3761288.71	20.08747	(23010324)	439957.76	3761363.20	11.66420	(17021724)
439870.71	3761572.02	12.10803	(17021724)	439930.56	3761556.53	13.39098	(17021724)
439870.71	3761839.42	9.14007c	(18120524)	439924.70	3761957.01	7.60205	(23120524)
439924.28	3762099.71	7.55384	(23021024)	439863.60	3762112.26	6.67370	(23021024)
439873.26	3762554.88	4.28801	(23021024)	439874.80	3762661.28	3.55222	(18010824)
439927.48	3762571.08	3.96429	(23021024)	439942.64	3762649.46	3.83959	(18010824)
439874.24	3763087.57	3.33754	(18010824)	439872.56	3763272.54	2.83455	(18010824)
439876.33	3763332.38	2.64135	(18010824)	439874.24	3763445.79	2.29698	(18010824)
439861.68	3763702.32	2.24414	(17122624)	439875.08	3763945.45	2.22962	(17122624)

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1602          440074.27   3763727.01        2.48152  (17122624)                439872.56
              3764008.22        2.20408  (17122624)
1603          439873.82   3764196.54        2.11167  (17122624)                439944.96
              3764712.10        1.72590  (17122624)
1604          439880.10   3764775.71        1.72627  (17122624)                439880.52
              3764900.83        1.64096  (17122624)
1605          439944.96   3764933.89        1.56641  (17122624)                439951.24
              3765049.81        1.48192  (17122624)
1606          439880.10   3765027.63        1.55759  (17122624)                439951.66
              3765276.21        1.33824  (17122624)
1607          439875.49   3765270.77        1.41011  (17122624)                439874.50
              3765815.86        1.12097  (17122624)
1608          440004.83   3765814.70        1.00375  (17122624)                439865.36
              3760870.32        8.73258  (21122924)
1609          439781.42   3760421.48        6.39710  (17122124)                439860.47
              3760191.14        5.34747  (21011924)
1610          439923.10   3757937.26        1.43154  (17010524)                438973.38
              3754580.48        0.79827  (17010524)
1611          439631.09   3762694.55        3.24384  (23021024)                442816.66
              3761641.08        4.95164  (23060924)
1612          442840.46   3762023.13        4.48636  (17021324)                442844.83
              3762050.67        4.53175  (23060524)
1613          443047.82   3762051.32        3.88100  (17021324)                443029.03
              3762020.29        3.96367  (17021324)
1614          443122.56   3762052.85        3.70917  (17021324)                443438.77
              3762060.83        3.10109  (17021324)
1615          443421.50   3762034.46        3.13139  (17021324)                443872.88
              3762119.96        2.52017  (17021324)
1616          444355.79   3762116.93        2.07383  (17021324)                445022.64
              3761785.97        1.94892  (23031424)
1617          445316.67   3762043.06        1.62438  (23060924)                445303.86
              3761970.17        1.65508  (23060924)
1618          445607.24   3762043.06        1.53488  (23060924)                445882.06
              3762042.08        1.45904  (23060924)
1619          446067.74   3761982.48        1.41332  (23060924)                446058.87
              3762058.33        1.41067  (23060924)
1620          446255.23   3762062.11        1.36385  (23060924)                446484.25
              3762227.10        1.26784  (23060924)
1621          446439.92   3762290.63        1.29726  (17021024)                446749.22
              3762427.55        1.31034  (17021024)
1622  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/17/25
1623   *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:17:22
1624
                                  PAGE  40
1625   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
1626
1627                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  EXH      ***
1628                                  INCLUDING SOURCE(S):     VOL43       , VOL44       ,
                                      VOL45       , VOL46       , VOL47       ,
1629                  VOL48       , VOL49       , VOL50       , VOL51       , VOL52       ,
                      VOL53       , VOL54       , VOL55       ,
1630                  VOL56       , VOL57       , VOL58       , VOL59       , VOL60       ,
                      VOL61       , VOL62       ,
1631
1632                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
1633
1634                                      ** CONC OF OTHER    IN
                                          MICROGRAMS/M**3                          **
1635
1636        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
1637   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - -
          446844.30   3762432.18        1.28731  (17021024)                447224.68
          3762429.46        1.17977  (17021024)
          447272.39   3762441.73        1.17651  (17021024)                446893.38
          3762355.15        1.21304  (17021024)
          447657.60   3762177.92        1.10358  (23060924)                439164.02
          3762679.50        2.96488  (23021024)
          442309.67   3758691.58        1.77409  (23120824)                441607.59
          3758831.67        2.43357  (23120424)
          442346.32   3758837.37        1.86343  (23120824)                442782.88
          3758835.74        1.63081  (23121324)
          443526.49   3758833.30        1.30695  (17112124)                441007.77
          3758832.80        2.20634  (23022724)
          442733.11   3762008.67        5.02234  (23060524)                442555.03
          3762014.43        6.37887  (23060524)
          442372.42   3762032.69        8.04068  (23060524)                442471.33
          3762020.14        7.09515  (23060524)
          442309.05   3762003.23        8.78547  (23060524)                442267.23
          3762011.88        9.24183  (23060524)
          442157.88   3762010.71       10.63462  (23060524)                442023.53
          3762012.58       12.47412  (23060524)
          441918.37   3762014.94       16.11006  (21120924)                441564.90
          3762038.22       30.33600  (21120924)
          441257.28   3761984.82       62.73910  (21122824)                441170.84
          3762020.05       42.08008c (23033024)
          440928.18   3762012.31       34.19110  (22123024)                440604.66
          3762010.98       27.03514  (23021024)
          440672.33   3761517.55       85.66928  (17021724)                441235.13
          3761841.99      137.56513  (21122824)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 11:17:22

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

                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  DUST     ***
                                    INCLUDING SOURCE(S):     PAREA1      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                              ** CONC OF OTHER    IN
                                              MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
      Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
          440769.54   3761316.44       12.79419  (23010324)                440885.08
          3761233.72        8.07754  (22120224)
          440942.99   3761237.37        8.04971  (22120224)                440769.57
          3761294.98       12.52436  (23010324)
          441264.79   3761237.83        6.01355  (23121324)                441396.39
          3761228.15        2.81850  (21121724)
          441633.90   3761229.53        1.41263c (22122924)                441839.43
          3761231.28        0.92960c (22122924)
          442193.26   3761092.32        0.55071c (18030224)                442736.29
          3761091.73        0.34623c (22122924)
          442867.08   3761089.40        0.31687c (22122924)                443107.85
          3761253.32        0.23672  (17010424)
          443327.70   3761050.95        0.23723c (22122924)                441881.29
          3762001.44        0.96406  (21120924)
          440583.15   3761320.92        3.87898  (23010324)                440579.83
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          3761299.75        3.81700  (23010324)
1674      440431.88   3761496.28        2.15060  (17021724)                440335.22
          3761292.06        1.69010  (23010324)
1675      440356.14   3761232.22        1.65969  (23010324)                439969.47
          3761230.13        0.69852  (21122324)
1676      439868.62   3761297.08        0.62659  (21122324)                439865.27
          3761245.19        0.63031  (21122324)
1677      440229.76   3761288.71        1.25375  (23010324)                439957.76
          3761363.20        0.67809  (21122324)
1678      439870.71   3761572.02        0.79435c (18120524)                439930.56
          3761556.53        0.83605c (18120524)
1679      439870.71   3761839.42        0.63757c (18120524)                439924.70
          3761957.01        0.43366b (23013024)
1680      439924.28   3762099.71        0.46253  (23021024)                439863.60
          3762112.26        0.40893  (23021024)
1681      439873.26   3762554.88        0.29108c (18111924)                439874.80
          3762661.28        0.26484  (22120924)
1682      439927.48   3762571.08        0.28269c (18111924)                439942.64
          3762649.46        0.28381  (18010824)
1683      439874.24   3763087.57        0.27348  (18010824)                439872.56
          3763272.54        0.23169  (17021424)
1684      439876.33   3763332.38        0.23276  (17021424)                439874.24
          3763445.79        0.22617  (17021424)
1685      439861.68   3763702.32        0.18791  (17021424)                439875.08
          3763945.45        0.18413  (21021924)
1686      440074.27   3763727.01        0.22338  (21021924)                439872.56
          3764008.22        0.18871  (21021924)
1687      439873.82   3764196.54        0.19784  (21021924)                439944.96
          3764712.10        0.18239  (22012524)
1688      439880.10   3764775.71        0.18491  (22012524)                439880.52
          3764900.83        0.17561  (22012524)
1689      439944.96   3764933.89        0.16184  (22012524)                439951.24
          3765049.81        0.14898  (22012524)
1690      439880.10   3765027.63        0.16507  (22012524)                439951.66
          3765276.21        0.12641  (22012524)
1691      439875.49   3765270.77        0.14396  (22012524)                439874.50
          3765815.86        0.09908  (17122624)
1692      440004.83   3765814.70        0.09009c (23101224)                439865.36
          3760870.32        0.49874  (21122924)
1693      439781.42   3760421.48        0.39669  (17122124)                439860.47
          3760191.14        0.32844  (21011924)
1694      439923.10   3757937.26        0.15401  (17010524)                438973.38
          3754580.48        0.08579  (17010524)
1695      439631.09   3762694.55        0.24057c (18111924)                442816.66
          3761641.08        0.33735  (23060924)
1696      442840.46   3762023.13        0.33682  (18102524)                442844.83
          3762050.67        0.33301  (18102524)
1697      443047.82   3762051.32        0.30975  (18102524)                443029.03
          3762020.29        0.31103  (18102524)
1698      443122.56   3762052.85        0.30062  (18102524)                443438.77
          3762060.83        0.26391  (18102524)
1699      443421.50   3762034.46        0.26171  (18102524)                443872.88
          3762119.96        0.22936  (18102524)
1700      444355.79   3762116.93        0.18956  (18102524)                445022.64
          3761785.97        0.16228  (23031424)
1701      445316.67   3762043.06        0.12396  (17021324)                445303.86
          3761970.17        0.13063  (21020824)
1702      445607.24   3762043.06        0.11561  (17081124)                445882.06
          3762042.08        0.11404  (21020824)
1703      446067.74   3761982.48        0.12215  (21020824)                446058.87
          3762058.33        0.11056  (21020824)
1704      446255.23   3762062.11        0.10920  (21020824)                446484.25
          3762227.10        0.10351  (17021324)
1705      446439.92   3762290.63        0.11174  (18102524)                446749.22
          3762427.55        0.11763  (18102524)
1706 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
```

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DUST ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
446844.30	3762432.18	0.11517	(18102524)	447224.68	3762429.46	0.10351	(18102524)
447272.39	3762441.73	0.10347	(18102524)	446893.38	3762355.15	0.10499	(18102524)
447657.60	3762177.92	0.08975	(21020824)	439164.02	3762679.50	0.18370	(23021024)
442309.67	3758691.58	0.19630	(23112924)	441607.59	3758831.67	0.27426	(23120424)
442346.32	3758837.37	0.20857	(23120824)	442782.88	3758835.74	0.18531	(18010224)
443526.49	3758833.30	0.15058	(18111524)	441007.77	3758832.80	0.24909	(17111324)
442733.11	3762008.67	0.35184	(18102524)	442555.03	3762014.43	0.38082	(23060524)
442372.42	3762032.69	0.45772	(23060524)	442471.33	3762020.14	0.41536	(23060524)
442309.05	3762003.23	0.50068	(23060524)	442267.23	3762011.88	0.51967	(23060524)
442157.88	3762010.71	0.58676	(23060524)	442023.53	3762012.58	0.69674c	(21042124)
441918.37	3762014.94	0.88910	(21120924)	441564.90	3762038.22	1.60794	(21120924)
441257.28	3761984.82	3.39428	(21122824)	441170.84	3762020.05	2.43564	(21122824)
440928.18	3762012.31	2.06545	(17010324)	440604.66	3762010.98	1.44338	(23021024)
440672.33	3761517.55	5.60641	(17021724)	441235.13	3761841.99	6.94082	(21120924)

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

```
                                                                     DATE
                                                                    NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

EXH      HIGH   1ST HIGH VALUE IS    1886.39655  ON 21122916: AT (  440769.57,
3761294.98,   203.96,   203.96,    2.00)  DC

DUST     HIGH   1ST HIGH VALUE IS      99.20557  ON 21122916: AT (  440769.54,
3761316.44,   204.20,   204.20,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 11:17:22

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

                                                 *** THE SUMMARY OF HIGHEST  8-HR RESULTS
                                                 ***


                                    ** CONC OF OTHER    IN
                                    MICROGRAMS/M**3                          **


                                                                     DATE
                                                                    NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

EXH      HIGH   1ST HIGH VALUE IS     608.11734  ON 23010316: AT (  440769.54,
3761316.44,   204.20,   204.20,    2.00)  DC

DUST     HIGH   1ST HIGH VALUE IS      38.38256  ON 23010316: AT (  440769.54,
3761316.44,   204.20,   204.20,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 11:17:22

                              PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                                 *** THE SUMMARY OF HIGHEST 24-HR RESULTS
                                                 ***
```

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                                   ** CONC OF OTHER    IN
                                   MICROGRAMS/M**3                          **

                                                                  DATE
                                                                      NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)            RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

EXH      HIGH   1ST HIGH VALUE IS     202.70578  ON 23010324: AT (  440769.54,
3761316.44,   204.20,   204.20,    2.00)  DC

DUST     HIGH   1ST HIGH VALUE IS      12.79419  ON 23010324: AT (  440769.54,
3761316.44,   204.20,   204.20,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/17/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 11:17:22

                              PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of          419 Warning Message(s)
 A Total of         1967 Informational Message(s)

 A Total of        43800 Hours Were Processed

 A Total of         1244 Calm Hours Identified

 A Total of          723 Missing Hours Identified (  1.65 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     427       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187     427       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET
 CN W733     144         AVER: 8-hr avg, < 6 hours of data, calms policy used.
 2017010624
 CN W733     176         AVER: 8-hr avg, < 6 hours of data, calms policy used.
 2017010808
 CN W732     192         AVER: 24-hr avg, < 18 hours of data, calms policy used.
 2017010824
 CN W733     464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
 2017012008
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1834    CN W733     472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2017012016
1835    CN W732     480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2017012024
1836    CN W733    1168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2017021816
1837    CN W732    1176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2017021824
1838    CN W733    1952         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2017032308
1839    CN W733    1960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2017032316
1840    CN W733    1976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2017032408
1841    CN W733    2024         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2017032608
1842    CN W733    2032         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2017032616
1843    CN W732    2040         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2017032624
1844    CN W733    8096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2017120408
1845    CN W733    8760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2017123124
1846    CN W733    9096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018011424
1847    CN W733    9120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018011524
1848    CN W732    9120         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018011524
1849    CN W733    9152         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018011708
1850    CN W732    9168         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018011724
1851    CN W733    9256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012116
1852    CN W733    9336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012424
1853    CN W733    9384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012624
1854    CN W733    9392         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012708
1855    CN W733    9400         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012716
1856    CN W732    9408         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018012724
1857    CN W733    9472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018013016
1858    CN W733    9512         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020108
1859    CN W733    9536         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020208
1860    CN W732    9552         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020224
1861    CN W733    9624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020524
1862    CN W733    9632         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020608
1863    CN W733    9640         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020616
1864    CN W732    9648         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020624
1865    CN W733    9656         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020708
1866    CN W733    9664         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020716
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1867    CN W733    9672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020724
1868    CN W732    9672         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020724
1869    CN W733    9704         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020908
1870    CN W733    9712         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020916
1871    CN W732    9720         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020924
1872    CN W733    9744         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021024
1873    CN W733    9752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021108
1874    CN W733    9776         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021208
1875    CN W733    9872         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021608
1876    CN W733    9880         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021616
1877    CN W732    9888         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018021624
1878    CN W733    9992         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018022108
1879    CN W733   10048         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018022316
1880    CN W733   10088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018022508
1881    CN W733   10208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030208
1882    CN W733   10216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030216
1883    CN W732   10224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018030224
1884    CN W733   10264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030416
1885    CN W733   10272         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030424
1886    CN W732   10272         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018030424
1887    CN W733   10280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030508
1888    CN W733   10360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030816
1889    CN W732   10368         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018030824
1890    CN W733   10416         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018031024
1891    CN W733   10648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018032016
1892    CN W733   10800         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018032624
1893    CN W733   10856         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018032908
1894    CN W732   10872         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018032924
1895    CN W733   11056         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018040616
1896    CN W733   11552         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018042708
1897    CN W733   11712         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018050324
1898    CN W733   11720         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018050408
1899    CN W733   11960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018051408
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1900 CN W733 11984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051508
1901 CN W733 12056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051808
1902 CN W733 12176 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018052308
1903 CN W733 12400 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060116
1904 CN W733 12408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060124
1905 CN W732 12408 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018060124
1906 CN W733 12416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060208
1907 CN W733 13184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070408
1908 CN W733 13192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070416
1909 CN W733 13200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070424
1910 CN W732 13200 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018070424
1911 CN W733 13240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070616
1912 CN W733 13280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070808
1913 CN W732 13296 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018070824
1914 CN W733 13448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071508
1915 CN W732 13464 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018071524
1916 CN W733 13480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071616
1917 CN W733 13664 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072408
1918 CN W732 13680 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072424
1919 CN W733 13688 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072508
1920 CN W732 13704 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072524
1921 CN W733 13760 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072808
1922 CN W733 13832 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018073108
1923 CN W733 14000 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018080708
1924 CN W733 14336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082108
1925 CN W733 14480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082708
1926 CN W733 14488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082716
1927 CN W732 14496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018082724
1928 CN W733 14784 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018090824
1929 CN W733 14960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091608
1930 CN W732 14976 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091624
1931 CN W733 15008 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091808
1932 CN W733 15016 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091816

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1933    CN W732   15024         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018091824
1934    CN W733   15032         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018091908
1935    CN W733   15040         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018091916
1936    CN W732   15048         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018091924
1937    CN W733   15224         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018092708
1938    CN W733   15520         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018100916
1939    CN W733   15624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018101324
1940    CN W733   15816         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102124
1941    CN W732   15816         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018102124
1942    CN W733   15864         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102324
1943    CN W733   15872         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102408
1944    CN W733   15936         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102624
1945    CN W733   15984         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102824
1946    CN W733   16200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018110624
1947    CN W733   16208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018110708
1948    CN W733   16216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018110716
1949    CN W732   16224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018110724
1950    CN W733   16344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111224
1951    CN W733   16392         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111424
1952    CN W733   16480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111816
1953    CN W733   16488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111824
1954    CN W732   16488         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018111824
1955    CN W733   16496         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111908
1956    CN W733   16504         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111916
1957    CN W732   16512         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018111924
1958    CN W733   16536         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018112024
1959    CN W733   16720         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018112816
1960    CN W733   16752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018112924
1961    CN W733   16952         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018120808
1962    CN W732   16968         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018120824
1963    CN W733   17000         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121008
1964    CN W733   17008         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121016
1965    CN W732   17016         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018121024
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1966    CN W733   17104         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121416
1967    CN W733   17136         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121524
1968    CN W733   17192         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121808
1969    CN W732   17208         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018121824
1970    CN W733   17328         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018122324
1971    CN W733   17376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018122524
1972    CN W733   17384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018122608
1973    MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:
        21010101
1974    MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2
        year gap
1975    CN W733   17568         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010224
1976    CN W733   17576         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010308
1977    CN W733   17616         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010424
1978    CN W733   17624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010508
1979    CN W733   17640         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010524
1980    CN W732   17640         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021010524
1981    CN W733   17648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010608
1982    CN W733   17728         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010916
1983    CN W732   17736         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021010924
1984    CN W733   17752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021011016
1985    CN W732   17760         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021011024
1986    CN W733   17776         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021011116
1987    CN W732   17784         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021011124
1988    CN W733   17800         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021011216
1989    CN W732   17808         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021011224
1990    CN W733   18064         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021012316
1991    CN W732   18072         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021012324
1992    CN W733   18088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021012416
1993    CN W732   18096         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021012424
1994    CN W733   18112         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021012516
1995    CN W732   18120         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021012524
1996    CN W733   18224         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013008
1997    CN W733   18232         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013016
1998    CN W733   18240         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013024
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1999    CN W732   18240         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021013024
2000    CN W733   18248         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013108
2001    CN W733   18256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013116
2002    CN W732   18264         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021013124
2003    CN W733   18408         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021020624
2004    CN W733   18416         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021020708
2005    CN W733   18840         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021022424
2006    CN W732   18840         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021022424
2007    CN W733   18848         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021022508
2008    CN W733   18976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021030216
2009    CN W733   18984         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021030224
2010    CN W732   18984         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021030224
2011    CN W733   18992         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021030308
2012    CN W733   19264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021031416
2013    CN W732   19272         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021031424
2014    CN W733   19352         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021031808
2015    CN W733   19360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021031816
2016    CN W732   19368         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021031824
2017    CN W733   19440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021032124
2018    CN W733   19448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021032208
2019    CN W733   19648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021033016
2020    CN W732   19656         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021033024
2021    CN W733   19728         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040224
2022    CN W733   19736         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040308
2023    CN W733   19744         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040316
2024    CN W732   19752         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021040324
2025    CN W733   19760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040408
2026    CN W733   19768         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040416
2027    CN W732   19776         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021040424
2028    CN W733   19904         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021041008
2029    CN W733   19960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021041216
2030    CN W733   20168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042108
2031    CN W733   20216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042308
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2032    CN W733   20240         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042408
2033    CN W733   20264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042508
2034    CN W733   20320         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042716
2035    CN W733   20360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042908
2036    CN W733   20368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042916
2037    CN W732   20376         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021042924
2038    CN W733   20408         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050108
2039    CN W732   20424         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021050124
2040    CN W733   20472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050324
2041    CN W733   20480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050408
2042    CN W732   20496         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021050424
2043    CN W733   20504         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050508
2044    CN W732   20520         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021050524
2045    CN W733   20528         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050608
2046    CN W733   21200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021060308
2047    CN W733   21208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021060316
2048    CN W732   21216         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021060324
2049    CN W733   21752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021062608
2050    CN W733   22248         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071624
2051    CN W733   22256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071708
2052    CN W733   22264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071716
2053    CN W733   22272         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071724
2054    CN W732   22272         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021071724
2055    CN W733   22280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071808
2056    CN W733   22288         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071816
2057    CN W733   22296         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071824
2058    CN W732   22296         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021071824
2059    CN W733   22304         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071908
2060    CN W732   22320         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021071924
2061    CN W733   22976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021081608
2062    CN W733   23368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021090116
2063    CN W732   23376         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021090124
2064    CN W733   23632         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021091216
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CN W733   24256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100816
CN W732   24264         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100824
CN W733   24280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100916
CN W732   24288         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100924
CN W733   25120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021111316
CN W733   25160         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021111508
CN W732   25176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021111524
CN W733   25376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112408
CN W733   25424         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112608
CN W733   25432         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112616
CN W733   25440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112624
CN W732   25440         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112624
CN W733   25448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112708
CN W733   25456         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112716
CN W732   25464         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112724
CN W733   25784         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021121108
CN W733   26336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022010308
CN W733   26344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022010316
CN W732   26352         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022010324
CN W733   28040         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022031508
CN W733   28048         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022031516
CN W733   29488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022051416
CN W732   29496         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022051424
CN W733   30208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022061316
CN W732   30216         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022061324
CN W733   31216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022072516
CN W733   31624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022081116
CN W732   31632         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022081124
CN W733   31880         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022082208
CN W733   31888         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022082216
CN W732   31896         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022082224
CN W733   32320         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022090916
CN W732   32328         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022090924
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2098 CN W733 32336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091008
2099 CN W733 32360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091108
2100 CN W733 32384 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091208
2101 CN W732 32400 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022091224
2102 CN W733 32440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091416
2103 CN W733 32504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091708
2104 CN W733 32512 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091716
2105 CN W732 32520 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022091724
2106 CN W733 32552 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091908
2107 CN W733 32816 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022093008
2108 CN W733 32936 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022100508
2109 CN W733 32944 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022100516
2110 CN W732 32952 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100524
2111 CN W733 33288 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022101924
2112 CN W733 33856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111216
2113 CN W732 33864 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111224
2114 CN W733 33880 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111316
2115 CN W732 33888 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111324
2116 CN W733 33896 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111408
2117 CN W733 33904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111416
2118 CN W732 33912 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111424
2119 CN W733 33928 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111516
2120 CN W732 33936 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111524
2121 CN W733 34184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022112608
2122 CN W733 34360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022120316
2123 CN W732 34368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022120324
2124 CN W733 34976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022122908
2125 CN W733 35528 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012108
2126 CN W733 35536 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012116
2127 CN W732 35544 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012124
2128 CN W733 35720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012908
2129 CN W732 35736 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012924
2130 CN W733 35768 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023013108

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CN W733   35904         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023020524
CN W733   36088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021316
CN W732   36096         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021324
CN W733   36160         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021616
CN W732   36168         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021624
CN W733   36440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023022808
CN W733   36608         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023030708
CN W732   36624         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023030724
CN W733   36688         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031016
CN W732   36696         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031024
CN W733   36712         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031116
CN W732   36720         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031124
CN W733   36736         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031216
CN W732   36744         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031224
CN W733   36832         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031616
CN W732   36840         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031624
CN W733   36856         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031716
CN W733   36896         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031908
CN W733   36912         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031924
CN W732   36912         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031924
CN W733   36920         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023032008
CN W732   36936         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023032024
CN W733   37160         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033008
CN W733   37184         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033108
CN W733   37192         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033116
CN W733   37200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033124
CN W732   37200         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023033124
CN W733   37360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023040716
CN W732   37368         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023040724
CN W733   37904         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023043008
CN W733   38368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023051916
CN W732   38376         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023051924
CN W733   38824         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060716
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2164    CN W733   38840         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023060808
2165    CN W733   38968         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023061316
2166    CN W733   38984         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023061408
2167    CN W733   39016         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023061516
2168    CN W733   39040         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023061616
2169    CN W733   39056         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023061708
2170    CN W732   39072         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023061724
2171    CN W733   39080         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023061808
2172    CN W733   39104         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023061908
2173    CN W733   39128         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062008
2174    CN W733   39136         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062016
2175    CN W732   39144         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062024
2176    CN W733   39152         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062108
2177    CN W733   39160         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062116
2178    CN W732   39168         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062124
2179    CN W733   39176         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062208
2180    CN W733   39200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062308
2181    CN W733   39208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062316
2182    CN W732   39216         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062324
2183    CN W733   39224         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062408
2184    CN W733   39232         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062416
2185    CN W732   39240         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062424
2186    CN W733   39248         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062508
2187    CN W732   39264         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062524
2188    CN W733   39272         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062608
2189    CN W732   39288         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062624
2190    CN W733   39296         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062708
2191    CN W732   39312         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062724
2192    CN W733   39344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062908
2193    CN W732   39360         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062924
2194    CN W733   39368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023063008
2195    CN W733   39712         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023071416
2196    CN W732   39720         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023071424
```

```
CN W733   40080        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023072924
CN W733   40088        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073008
CN W732   40104        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073024
CN W733   40112        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073108
CN W733   40120        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073116
CN W732   40128        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073124
CN W733   40136        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023080108
CN W732   40152        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023080124
CN W733   40624        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082116
CN W733   40640        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082208
CN W733   40856        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023083108
CN W733   41040        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023090724
CN W733   41144        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023091208
CN W733   41392        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092216
CN W732   41400        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092224
CN W733   41472        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092524
CN W733   41480        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092608
CN W733   41728        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100616
CN W733   41808        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100924
CN W733   41864        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101208
CN W732   41880        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101224
CN W733   41944        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101516
CN W732   41952        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101524
CN W733   42328        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023103116
CN W733   42344        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110108
CN W733   42352        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110116
CN W733   42360        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110124
CN W732   42360        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110124
CN W733   42368        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110208
CN W733   42376        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110216
CN W732   42384        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110224
CN W733   42400        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110316
CN W732   42408        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110324
```

```
2230    CN W733   42424         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023110416
2231    CN W733   42432         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023110424
2232    CN W732   42432         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023110424
2233    CN W733   42440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023110508
2234    CN W733   42448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023110516
2235    CN W733   42456         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023110524
2236    CN W732   42456         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023110524
2237    CN W733   42464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023110608
2238    CN W733   42472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023110616
2239    CN W732   42480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023110624
2240    CN W733   42488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023110708
2241    CN W733   42496         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023110716
2242    CN W732   42504         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023110724
2243    CN W733   43216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023120716
2244    CN W732   43224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023120724
2245    CN W733   43672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023122616
2246    CN W732   43680         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023122624
2247
2248       ***********************************
2249       *** AERMOD Finishes Successfully ***
2250       ***********************************
2251
2252
```

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APPENDIX 3.12:

AERMOD MODEL OUTPUTS – OPERATION

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 12/18/2025
** File: C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops LST Ph1\16285 Ops LST Ph1.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24
   URBANOPT 2195611 San_Bernardino_County
   POLLUTID OTHER
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "16285 Ops LST Ph1.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     442724.884  3761568.312      208.400
   LOCATION VOL2         VOLUME     442725.108  3761339.529      206.170
   LOCATION VOL3         VOLUME     442726.822  3761455.137      207.820
   LOCATION VOL4         VOLUME     442064.067  3761569.196      208.530
   LOCATION VOL5         VOLUME     442065.533  3761456.437      207.340
   LOCATION VOL6         VOLUME     442064.067  3761340.386      206.890
   LOCATION VOL7         VOLUME     442181.529  3761339.529      206.580
   LOCATION VOL8         VOLUME     442297.275  3761338.671      206.150
   LOCATION VOL9         VOLUME     442413.879  3761339.529      207.130
   LOCATION VOL10        VOLUME     442531.340  3761339.529      207.060
   LOCATION VOL11        VOLUME     442645.371  3761340.386      206.710
   LOCATION VOL12        VOLUME     442608.781  3761568.670      208.770
   LOCATION VOL13        VOLUME     442493.145  3761569.279      208.570
   LOCATION VOL14        VOLUME     442378.615  3761569.887      207.370
   LOCATION VOL15        VOLUME     442270.171  3761567.481      208.170
   LOCATION VOL16        VOLUME     442179.620  3761568.643      208.510
   LOCATION VOL17        VOLUME     442182.137  3761455.081      207.250
   LOCATION VOL18        VOLUME     442297.275  3761452.869      206.970
   LOCATION VOL19        VOLUME     442414.238  3761454.584      207.750
   LOCATION VOL20        VOLUME     442515.907  3761453.864      207.710
   LOCATION VOL21        VOLUME     442623.079  3761453.367      207.640
   LOCATION VOL22        VOLUME     442724.553  3761682.434      209.880
   LOCATION VOL23        VOLUME     442608.449  3761682.793      209.640
   LOCATION VOL24        VOLUME     442492.813  3761683.401      209.390
   LOCATION VOL25        VOLUME     442378.284  3761684.010      209.130
   LOCATION VOL26        VOLUME     442269.839  3761681.604      207.970
   LOCATION VOL27        VOLUME     442179.288  3761682.765      208.800
   LOCATION VOL28        VOLUME     442063.736  3761683.318      208.490
```

```
   LOCATION VOL29        VOLUME     442723.944  3761763.968      210.450
   LOCATION VOL30        VOLUME     442608.449  3761765.544      210.170
   LOCATION VOL31        VOLUME     442494.030  3761764.935      209.830
   LOCATION VOL32        VOLUME     442377.675  3761762.502      209.290
** Source Parameters **
   SRCPARAM VOL1              1.0     5.000    26.719     1.400
   SRCPARAM VOL2              1.0     5.000    26.719     1.400
   SRCPARAM VOL3              1.0     5.000    26.719     1.400
   SRCPARAM VOL4              1.0     5.000    26.719     1.400
   SRCPARAM VOL5              1.0     5.000    26.719     1.400
   SRCPARAM VOL6              1.0     5.000    26.719     1.400
   SRCPARAM VOL7              1.0     5.000    26.719     1.400
   SRCPARAM VOL8              1.0     5.000    26.719     1.400
   SRCPARAM VOL9              1.0     5.000    26.719     1.400
   SRCPARAM VOL10             1.0     5.000    26.719     1.400
   SRCPARAM VOL11             1.0     5.000    26.719     1.400
   SRCPARAM VOL12             1.0     5.000    26.719     1.400
   SRCPARAM VOL13             1.0     5.000    26.719     1.400
   SRCPARAM VOL14             1.0     5.000    26.719     1.400
   SRCPARAM VOL15             1.0     5.000    26.719     1.400
   SRCPARAM VOL16             1.0     5.000    26.719     1.400
   SRCPARAM VOL17             1.0     5.000    26.719     1.400
   SRCPARAM VOL18             1.0     5.000    26.719     1.400
   SRCPARAM VOL19             1.0     5.000    26.719     1.400
   SRCPARAM VOL20             1.0     5.000    26.719     1.400
   SRCPARAM VOL21             1.0     5.000    26.719     1.400
   SRCPARAM VOL22             1.0     5.000    26.719     1.400
   SRCPARAM VOL23             1.0     5.000    26.719     1.400
   SRCPARAM VOL24             1.0     5.000    26.719     1.400
   SRCPARAM VOL25             1.0     5.000    26.719     1.400
   SRCPARAM VOL26             1.0     5.000    26.719     1.400
   SRCPARAM VOL27             1.0     5.000    26.719     1.400
   SRCPARAM VOL28             1.0     5.000    26.719     1.400
   SRCPARAM VOL29             1.0     5.000    26.719     1.400
   SRCPARAM VOL30             1.0     5.000    26.719     1.400
   SRCPARAM VOL31             1.0     5.000    26.719     1.400
   SRCPARAM VOL32             1.0     5.000    26.719     1.400
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "16285 Ops LST Ph1.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KCNO_V11_trimmed.sfc
   PROFFILE KCNO_V11_trimmed.PFL
   SURFDATA 3179 2017
   UAIRDATA 3190 2017
   PROFBASE 191.07 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
```

```
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "16285 OPS LST PH1.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "16285 OPS LST PH1.AD\08H1GALL.PLT" 32
   PLOTFILE 24 ALL 1ST "16285 OPS LST PH1.AD\24H1GALL.PLT" 33
   SUMMFILE "16285 Ops LST Ph1.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     126       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187     126       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET

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

FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 11:31:50

                              PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  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    32 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2195611.0 ;  Urban Roughness Length =  1.000 m
```

```
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: OTHER

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

 **This Run Includes:     32 Source(s);       1 Source Group(s); and     108 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     32 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:  22112

 **Output Options Selected:
         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) =   191.07 ;  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 =      3.5 MB of RAM.

 **Input Runstream File:
 aermod.inp

 **Output Print File:
 aermod.out


 **Detailed Error/Message File:   16285 Ops LST
 Ph1.err
 **File for Summary of Results:   16285 Ops LST
 Ph1.sum
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 11:31:50

                              PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER INIT. PART. CATS.	EMISSION RATE (GRAMS/SEC)	URBAN SOURCE	SCALAR VARY BY	X (METERS)	Y (METERS)	AIRCRAFT ELEV. (METERS)	BASE HEIGHT (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	SZ
VOL1	0	0.10000E+01	YES	NO	442724.9	3761568.3	208.4	5.00	26.72	1.40	YES
VOL2	0	0.10000E+01	YES	NO	442725.1	3761339.5	206.2	5.00	26.72	1.40	YES
VOL3	0	0.10000E+01	YES	NO	442726.8	3761455.1	207.8	5.00	26.72	1.40	YES
VOL4	0	0.10000E+01	YES	NO	442064.1	3761569.2	208.5	5.00	26.72	1.40	YES
VOL5	0	0.10000E+01	YES	NO	442065.5	3761456.4	207.3	5.00	26.72	1.40	YES
VOL6	0	0.10000E+01	YES	NO	442064.1	3761340.4	206.9	5.00	26.72	1.40	YES
VOL7	0	0.10000E+01	YES	NO	442181.5	3761339.5	206.6	5.00	26.72	1.40	YES
VOL8	0	0.10000E+01	YES	NO	442297.3	3761338.7	206.2	5.00	26.72	1.40	YES
VOL9	0	0.10000E+01	YES	NO	442413.9	3761339.5	207.1	5.00	26.72	1.40	YES
VOL10	0	0.10000E+01	YES	NO	442531.3	3761339.5	207.1	5.00	26.72	1.40	YES
VOL11	0	0.10000E+01	YES	NO	442645.4	3761340.4	206.7	5.00	26.72	1.40	YES
VOL12	0	0.10000E+01	YES	NO	442608.8	3761568.7	208.8	5.00	26.72	1.40	YES
VOL13	0	0.10000E+01	YES	NO	442493.1	3761569.3	208.6	5.00	26.72	1.40	YES
VOL14	0	0.10000E+01	YES	NO	442378.6	3761569.9	207.4	5.00	26.72	1.40	YES
VOL15	0	0.10000E+01	YES	NO	442270.2	3761567.5	208.2	5.00	26.72	1.40	YES
VOL16	0	0.10000E+01	YES	NO	442179.6	3761568.6	208.5	5.00	26.72	1.40	YES
VOL17	0	0.10000E+01	YES	NO	442182.1	3761455.1	207.2	5.00	26.72	1.40	YES
VOL18	0	0.10000E+01	YES	NO	442297.3	3761452.9	207.0	5.00	26.72	1.40	YES
VOL19	0	0.10000E+01	YES	NO	442414.2	3761454.6	207.8	5.00	26.72	1.40	YES
VOL20	0	0.10000E+01	YES	NO	442515.9	3761453.9	207.7	5.00	26.72	1.40	YES
VOL21	0	0.10000E+01	YES	NO	442623.1	3761453.4	207.6	5.00	26.72	1.40	YES
VOL22	0	0.10000E+01	YES	NO	442724.6	3761682.4	209.9	5.00	26.72	1.40	YES
VOL23	0	0.10000E+01	YES	NO	442608.4	3761682.8	209.6	5.00	26.72	1.40	YES
VOL24	0	0.10000E+01	YES	NO	442492.8	3761683.4	209.4	5.00	26.72	1.40	YES
VOL25	0	0.10000E+01	YES	NO	442378.3	3761684.0	209.1	5.00	26.72	1.40	YES
VOL26	0	0.10000E+01	YES	NO	442269.8	3761681.6	208.0	5.00	26.72	1.40	YES
VOL27	0	0.10000E+01	YES	NO	442179.3	3761682.8	208.8	5.00	26.72	1.40	YES
VOL28	0	0.10000E+01	YES	NO	442063.7	3761683.3	208.5	5.00	26.72	1.40	YES

```
     1.40     YES                    NO
278  VOL29            0   0.10000E+01  442723.9 3761764.0   210.5     5.00    26.72
     1.40     YES                    NO
279  VOL30            0   0.10000E+01  442608.4 3761765.5   210.2     5.00    26.72
     1.40     YES                    NO
280  VOL31            0   0.10000E+01  442494.0 3761764.9   209.8     5.00    26.72
     1.40     YES                    NO
281  VOL32            0   0.10000E+01  442377.7 3761762.5   209.3     5.00    26.72
     1.40     YES                    NO
282  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
283   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:31:50
284
                                PAGE   3
285   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
286
287
288                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***
289
290   SRCGROUP ID                                              SOURCE IDs
291   -----------                                              ----------
292
293
294    ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
      VOL6        , VOL7        , VOL8        ,
295
296               VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
                  VOL14       , VOL15       , VOL16       ,
297
298               VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
                  VOL22       , VOL23       , VOL24       ,
299
300               VOL25       , VOL26       , VOL27       , VOL28       , VOL29       ,
                  VOL30       , VOL31       , VOL32       ,
301  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
302   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:31:50
303
                                PAGE   4
304   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
305
306
307                                        *** SOURCE IDs DEFINED AS URBAN SOURCES ***
308
309    URBAN ID   URBAN POP                                     SOURCE IDs
310    --------   ---------                                     ----------
311
312
313                2195611.   VOL1        , VOL2        , VOL3        , VOL4        ,
                   VOL5        , VOL6        , VOL7        ,
314   VOL8        ,
315
316               VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
                  VOL14       , VOL15       , VOL16       ,
317
318               VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
                  VOL22       , VOL23       , VOL24       ,
319
320               VOL25       , VOL26       , VOL27       , VOL28       , VOL29       ,
                  VOL30       , VOL31       , VOL32       ,
321  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
```

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

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(440769.5, 3761316.4, 204.2, 204.2, 2.0); (440885.1, 3761233.7, 203.9, 203.9, 2.0);
(440943.0, 3761237.4, 204.1, 204.1, 2.0); (440769.6, 3761295.0, 204.0, 204.0, 2.0);
(441264.8, 3761237.8, 204.2, 204.2, 2.0); (441396.4, 3761228.1, 204.2, 204.2, 2.0);
(441633.9, 3761229.5, 205.0, 205.0, 2.0); (441839.4, 3761231.3, 205.3, 205.3, 2.0);
(442193.3, 3761092.3, 204.6, 204.6, 2.0); (442736.3, 3761091.7, 204.8, 204.8, 2.0);
(442867.1, 3761089.4, 204.8, 204.8, 2.0); (443107.8, 3761253.3, 207.5, 207.5, 2.0);
(443327.7, 3761050.9, 207.4, 207.4, 2.0); (441881.3, 3762001.4, 211.9, 211.9, 2.0);
(440583.1, 3761320.9, 204.2, 204.2, 2.0); (440579.8, 3761299.8, 204.0, 204.0, 2.0);
(440431.9, 3761496.3, 205.5, 205.5, 2.0); (440335.2, 3761292.1, 203.4, 203.4, 2.0);
(440356.1, 3761232.2, 203.0, 203.0, 2.0); (439969.5, 3761230.1, 201.8, 201.8, 2.0);
(439868.6, 3761297.1, 202.8, 202.8, 2.0); (439865.3, 3761245.2, 202.3, 202.3, 2.0);
(440229.8, 3761288.7, 203.2, 203.2, 2.0); (439957.8, 3761363.2, 203.3, 203.3, 2.0);
(439870.7, 3761572.0, 205.6, 205.6, 2.0); (439930.6, 3761556.5, 205.6, 205.6, 2.0);
(439870.7, 3761839.4, 207.7, 207.7, 2.0); (439924.7, 3761957.0, 209.3, 209.3, 2.0);
(439924.3, 3762099.7, 210.4, 210.4, 2.0); (439863.6, 3762112.3, 210.4, 210.4, 2.0);
(439873.3, 3762554.9, 215.7, 215.7, 2.0); (439874.8, 3762661.3, 217.0, 217.0, 2.0);
(439927.5, 3762571.1, 216.2, 216.2, 2.0); (439942.6, 3762649.5, 217.4, 217.4, 2.0);
(439874.2, 3763087.6, 222.5, 2697.3, 2.0); (439872.6, 3763272.5, 224.9, 2697.3, 2.0);
(439876.3, 3763332.4, 225.7, 2697.3, 2.0); (439874.2, 3763445.8, 226.7, 2697.3, 2.0);
(439861.7, 3763702.3, 228.8, 2697.3, 2.0); (439875.1, 3763945.4, 231.1, 2697.3, 2.0);
(440074.3, 3763727.0, 229.9, 2697.3, 2.0); (439872.6, 3764008.2, 231.9, 2697.3, 2.0);
(439873.8, 3764196.5, 234.9, 2697.3, 2.0); (439945.0, 3764712.1, 241.3, 2697.3, 2.0);
(439880.1, 3764775.7, 242.4, 2697.3, 2.0); (439880.5, 3764900.8, 244.2, 2697.3, 2.0);
(439945.0, 3764933.9, 244.6, 2697.3, 2.0); (439951.2, 3765049.8, 246.2, 2697.3, 2.0);
(439880.1, 3765027.6, 245.7, 2697.3, 2.0); (439951.7, 3765276.2, 249.0, 2697.3, 2.0);
(439875.5, 3765270.8, 248.0, 2697.3, 2.0); (439874.5, 3765815.9, 254.7, 2697.3, 2.0);
(440004.8, 3765814.7, 255.3, 2697.3, 2.0); (439865.4, 3760870.3, 198.7, 198.7, 2.0);
(439781.4, 3760421.5, 193.4, 193.4, 2.0); (439860.5,

```
      3760191.1,     191.6,     191.6,       2.0);
358   (  439923.1, 3757937.3,     174.7,     174.7,       2.0);         ( 438973.4,
      3754580.5,     178.9,     369.3,       2.0);
359   (  439631.1, 3762694.5,     217.3,     217.3,       2.0);         ( 442816.7,
      3761641.1,     208.8,     208.8,       2.0);
360   (  442840.5, 3762023.1,     212.1,     212.1,       2.0);         ( 442844.8,
      3762050.7,     212.6,     212.6,       2.0);
361   (  443047.8, 3762051.3,     212.7,     212.7,       2.0);         ( 443029.0,
      3762020.3,     212.2,     212.2,       2.0);
362   (  443122.6, 3762052.8,     212.8,     212.8,       2.0);         ( 443438.8,
      3762060.8,     214.3,     214.3,       2.0);
363   (  443421.5, 3762034.5,     213.9,     213.9,       2.0);         ( 443872.9,
      3762120.0,     216.1,     216.1,       2.0);
364   (  444355.8, 3762116.9,     217.5,     217.5,       2.0);         ( 445022.6,
      3761786.0,     213.6,     213.6,       2.0);
365   (  445316.7, 3762043.1,     217.2,     217.2,       2.0);         ( 445303.9,
      3761970.2,     216.4,     216.4,       2.0);
366   (  445607.2, 3762043.1,     218.4,     218.4,       2.0);         ( 445882.1,
      3762042.1,     218.6,     218.6,       2.0);
367   (  446067.7, 3761982.5,     218.7,     218.7,       2.0);         ( 446058.9,
      3762058.3,     219.7,     219.7,       2.0);
368   (  446255.2, 3762062.1,     219.9,     219.9,       2.0);         ( 446484.2,
      3762227.1,     221.2,     221.2,       2.0);
369   (  446439.9, 3762290.6,     222.0,    2697.3,       2.0);         ( 446749.2,
      3762427.5,     224.0,    2697.3,       2.0);
370   (  446844.3, 3762432.2,     222.5,    2697.3,       2.0);         ( 447224.7,
      3762429.5,     223.9,    2697.3,       2.0);
371   (  447272.4, 3762441.7,     223.6,    2697.3,       2.0);         ( 446893.4,
      3762355.1,     222.3,    2697.3,       2.0);
372   (  447657.6, 3762177.9,     222.7,     222.7,       2.0);         ( 439164.0,
      3762679.5,     215.5,     215.5,       2.0);
373   (  442309.7, 3758691.6,     188.5,     188.5,       2.0);         ( 441607.6,
      3758831.7,     186.8,     186.8,       2.0);
374   (  442346.3, 3758837.4,     190.3,     190.3,       2.0);         ( 442782.9,
      3758835.7,     190.9,     190.9,       2.0);
375   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
376    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:31:50
377
                                  PAGE   6
378    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
379
380                                                *** DISCRETE CARTESIAN RECEPTORS ***
381                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
382                                                          (METERS)
383
384   (  443526.5, 3758833.3,     191.7,     191.7,       2.0);         ( 441007.8,
      3758832.8,     184.8,     184.8,       2.0);
385   (  442733.1, 3762008.7,     212.4,     212.4,       2.0);         ( 442555.0,
      3762014.4,     212.8,     212.8,       2.0);
386   (  442372.4, 3762032.7,     213.0,     213.0,       2.0);         ( 442471.3,
      3762020.1,     214.1,     214.1,       2.0);
387   (  442309.0, 3762003.2,     212.4,     212.4,       2.0);         ( 442267.2,
      3762011.9,     212.5,     212.5,       2.0);
388   (  442157.9, 3762010.7,     211.7,     211.7,       2.0);         ( 442023.5,
      3762012.6,     211.7,     211.7,       2.0);
389   (  441918.4, 3762014.9,     211.7,     211.7,       2.0);         ( 441564.9,
      3762038.2,     210.7,     210.7,       2.0);
390   (  441257.3, 3761984.8,     210.4,     210.4,       2.0);         ( 441170.8,
      3762020.0,     210.5,     210.5,       2.0);
391   (  440928.2, 3762012.3,     211.3,     211.3,       2.0);         ( 440604.7,
      3762011.0,     210.7,     210.7,       2.0);
392   (  440672.3, 3761517.5,     205.9,     205.9,       2.0);         ( 440866.0,
      3762003.1,     210.7,     210.7,       2.0);
```

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FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 11:31:50

                              PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                            *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                               (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.



                                       *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                            (METERS/SEC)

                                                       1.54,   3.09,   5.14,   8.23,  10.80,
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                          ***
 11:31:50

                              PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                         *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

   Surface file:     KCNO_V11_trimmed.sfc                                     Met Version:  22112
   Profile file:     KCNO_V11_trimmed.PFL
   Surface format:   FREE

   Profile format:   FREE

   Surface station no.:     3179                   Upper air station no.:     3190
                  Name: UNKNOWN                                     Name: UNKNOWN
                  Year:   2017                                      Year:   2017
```

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
17	01	01	1	01	-17.3	0.174	-9.000	-9.000	-999.	175.	33.5	0.02	0.54	1.00	2.86	261.	7.9	279.2	2.0
17	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.05	0.54	1.00	0.00	0.	7.9	279.2	2.0
17	01	01	1	03	-18.3	0.185	-9.000	-9.000	-999.	191.	37.7	0.11	0.54	1.00	2.09	340.	7.9	279.2	2.0
17	01	01	1	04	-5.5	0.091	-9.000	-9.000	-999.	70.	12.0	0.02	0.54	1.00	1.52	89.	7.9	279.2	2.0
17	01	01	1	05	-12.5	0.150	-9.000	-9.000	-999.	139.	24.7	0.14	0.54	1.00	1.62	13.	7.9	277.5	2.0
17	01	01	1	06	-9.0	0.126	-9.000	-9.000	-999.	107.	19.4	0.12	0.54	1.00	1.43	317.	7.9	277.5	2.0
17	01	01	1	07	-3.0	0.067	-9.000	-9.000	-999.	43.	9.0	0.02	0.54	1.00	1.13	255.	7.9	277.0	2.0
17	01	01	1	08	-5.8	0.097	-9.000	-9.000	-999.	73.	14.0	0.02	0.54	0.53	1.60	93.	7.9	277.5	2.0
17	01	01	1	09	22.2	0.091	0.366	0.005	78.	66.	-3.0	0.02	0.54	0.31	0.97	35.	7.9	280.3	2.0
17	01	01	1	10	54.8	0.172	0.954	0.005	559.	172.	-8.2	0.02	0.54	0.24	2.11	70.	7.9	283.8	2.0
17	01	01	1	11	76.8	0.224	1.251	0.005	899.	254.	-12.9	0.02	0.54	0.21	2.83	99.	7.9	285.9	2.0
17	01	01	1	12	73.6	0.126	1.297	0.005	1045.	111.	-2.4	0.02	0.54	0.20	1.31	107.	7.9	285.9	2.0
17	01	01	1	13	86.2	0.147	1.404	0.005	1133.	135.	-3.3	0.02	0.54	0.20	1.60	234.	7.9	286.4	2.0
17	01	01	1	14	62.5	0.198	1.284	0.005	1194.	211.	-10.9	0.02	0.54	0.21	2.49	291.	7.9	288.1	2.0
17	01	01	1	15	42.3	0.319	1.138	0.005	1231.	433.	-67.8	0.02	0.54	0.25	4.65	247.	7.9	286.4	2.0
17	01	01	1	16	1.0	0.222	0.331	0.005	1232.	256.	-941.4	0.02	0.54	0.34	3.40	241.	7.9	286.4	2.0
17	01	01	1	17	-14.2	0.170	-9.000	-9.000	-999.	170.	31.9	0.02	0.54	0.61	2.69	233.	7.9	285.9	2.0
17	01	01	1	18	-16.2	0.167	-9.000	-9.000	-999.	164.	30.6	0.02	0.54	1.00	2.74	250.	7.9	285.3	2.0
17	01	01	1	19	-25.0	0.257	-9.000	-9.000	-999.	312.	72.6	0.02	0.54	1.00	4.14	243.	7.9	284.8	2.0
17	01	01	1	20	-22.6	0.232	-9.000	-9.000	-999.	269.	59.3	0.02	0.54	1.00	3.63	226.	7.9	284.8	2.0
17	01	01	1	21	-14.9	0.156	-9.000	-9.000	-999.	149.	26.7	0.03	0.54	1.00	2.28	151.	7.9	284.2	2.0
17	01	01	1	22	-15.7	0.169	-9.000	-9.000	-999.	167.	31.5	0.14	0.54	1.00	1.81	14.	7.9	283.8	2.0
17	01	01	1	23	-7.9	0.117	-9.000	-9.000	-999.	97.	18.1	0.11	0.54	1.00	1.37	358.	7.9	283.8	2.0
17	01	01	1	24	-7.7	0.108	-9.000	-9.000	-999.	85.	14.6	0.02	0.54	1.00	1.77	94.	7.9	282.5	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
17	01	01	01	7.9	1	261.	2.86	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

FF *** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/18/25

*** AERMET - VERSION 22112 ***

*** ***

11:31:50

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
440769.54	3761316.44	378.32850	(17021523)	440885.08	3761233.72	408.52892	(21012919)
440942.99	3761237.37	426.98650	(21012919)	440769.57	3761294.98	379.51646	(21012320)
441264.79	3761237.83	559.32351	(21010918)	441396.39	3761228.15	626.64474	(21010918)
441633.90	3761229.53	806.65380	(21012102)	441839.43	3761231.28	1068.57600	(17012618)
442193.26	3761092.32	903.12633	(18122224)	442736.29	3761091.73	556.92260	(21120320)
442867.08	3761089.40	652.18571	(23010724)	443107.85	3761253.32	856.06162	(23020618)
443327.70	3761050.95	606.43912	(23122022)	441881.29	3762001.44	847.83723	(18021322)
440583.15	3761320.92	336.93146	(22011121)	440579.83	3761299.75	332.50956	(17021523)
440431.88	3761496.28	302.11864	(18021304)	440335.22	3761292.06	288.68813	(22011121)
440356.14	3761232.22	290.02713	(21012320)	439969.47	3761230.13	233.48827	(22011121)
439868.62	3761297.08	225.98297	(22011121)	439865.27	3761245.19	224.42770	(22011121)
440229.76	3761288.71	272.49174	(22011121)	439957.76	3761363.20	235.64456	(18120602)
439870.71	3761572.02	219.75129	(23121801)	439930.56	3761556.53	225.86462	(23121801)
439870.71	3761839.42	219.07566	(18010207)	439924.70	3761957.01	224.20904	(23121718)
439924.28	3762099.71	236.77168	(23012908)	439863.60	3762112.26	230.03936	(23012908)
439873.26	3762554.88	305.69460	(22121717)	439874.80	3762661.28	308.97314	(22012422)
439927.48	3762571.08	313.28703	(18121221)	439942.64	3762649.46	319.11376	(22012422)
439874.24	3763087.57	284.11088	(17020302)	439872.56	3763272.54	286.60750	(17021704)
439876.33	3763332.38	281.80381	(17020703)	439874.24	3763445.79	280.02113	(22021722)
439861.68	3763702.32	266.91513	(21122302)	439875.08	3763945.45	256.44821	(22122722)
440074.27	3763727.01	278.17787	(21020521)	439872.56	3764008.22	254.80993	(22122722)

```
505          439873.82   3764196.54      251.32689  (22121520)                439944.96
             3764712.10      228.27233  (18120918)
506          439880.10   3764775.71      225.59660  (18120918)                439880.52
             3764900.83      221.42240  (18121904)
507          439944.96   3764933.89      227.46996  (22123008)                439951.24
             3765049.81      218.90965  (22123008)
508          439880.10   3765027.63      222.22652  (22123008)                439951.66
             3765276.21      205.61408  (17020624)
509          439875.49   3765270.77      204.98920  (17020624)                439874.50
             3765815.86      183.12256  (22032123)
510          440004.83   3765814.70      190.82485  (17122618)                439865.36
             3760870.32      217.10835  (17010723)
511          439781.42   3760421.48      191.28388  (21012102)                439860.47
             3760191.14      185.01791  (23121721)
512          439923.10   3757937.26       99.09086  (21011705)                438973.38
             3754580.48       36.36668  (17121123)
513          439631.09   3762694.55      283.69376  (18121221)                442816.66
             3761641.08     1507.77365  (22122417)
514          442840.46   3762023.13     1013.18632  (17052021)                442844.83
             3762050.67      989.57503  (17052021)
515          443047.82   3762051.32      935.12271  (17122817)                443029.03
             3762020.29      939.44753  (22121917)
516          443122.56   3762052.85      881.47918  (22021018)                443438.77
             3762060.83      779.51552  (21011718)
517          443421.50   3762034.46      784.74353  (22120424)                443872.88
             3762119.96      592.09866  (23122617)
518          444355.79   3762116.93      468.17124  (23121318)                445022.64
             3761785.97      321.90512  (22011804)
519          445316.67   3762043.06      312.21662  (22011622)                445303.86
             3761970.17      307.35708  (17011223)
520          445607.24   3762043.06      285.31871  (17122623)                445882.06
             3762042.08      264.01637  (17011223)
521          446067.74   3761982.48      249.33441  (22122219)                446058.87
             3762058.33      255.51751  (17011223)
522          446255.23   3762062.11      241.14134  (17011223)                446484.25
             3762227.10      227.28585  (22011622)
523          446439.92   3762290.63      231.45120  (22011622)                446749.22
             3762427.55      219.42110  (17122824)
524  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
525   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:31:50
526
                                PAGE  10
527   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
528
529                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
530                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
531                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                     VOL11       , VOL12       , VOL13       ,
532                  VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                     VOL19       , VOL20       , VOL21       ,
533                  VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                     VOL27       , VOL28       ,  . . .      ,
534
535                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
536
537                                     ** CONC OF OTHER    IN
                                        MICROGRAMS/M**3                          **
538
539          X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
             Y-COORD (M)        CONC     (YYMMDDHH)
540   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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    - - - - - - - - - - - - - - - - - - - - -
541          446844.30   3762432.18      207.79360  (17122824)                447224.68
             3762429.46      192.73703  (23011319)
542          447272.39   3762441.73      189.27725  (23011319)                446893.38
             3762355.15      205.75022  (22011622)
543          447657.60   3762177.92      173.61372  (22122219)                439164.02
             3762679.50      233.04913  (18011120)
544          442309.67   3758691.58       68.70952  (22021219)                441607.59
             3758831.67       58.69123  (22011419)
545          442346.32   3758837.37       74.95878  (22021219)                442782.88
             3758835.74       74.79029  (21011702)
546          443526.49   3758833.30       68.91105  (22122920)                441007.77
             3758832.80      146.65198  (17121123)
547          442733.11   3762008.67     1084.84379  (17021021)                442555.03
             3762014.43     1089.82801  (21123023)
548          442372.42   3762032.69      996.65734  (21010119)                442471.33
             3762020.14     1045.39130  (22012918)
549          442309.05   3762003.23     1016.52812  (21010119)                442267.23
             3762011.88     1016.62785  (17011123)
550          442157.88   3762010.71      853.98583  (22011901)                442023.53
             3762012.58      823.01319  (21120305)
551          441918.37   3762014.94      798.88522  (18021322)                441564.90
             3762038.22      615.10383  (22021201)
552          441257.28   3761984.82      523.86659  (17012004)                441170.84
             3762020.05      486.50222  (17012004)
553          440928.18   3762012.31      454.03366  (17121723)                440604.66
             3762010.98      356.06270  (17122819)
554          440672.33   3761517.55      351.07480  (18120606)                440866.01
             3762003.09      413.14640  (17122819)
555  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
556   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:31:50
557
                                PAGE  11
558   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
559
560                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
561                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
562                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                     VOL11       , VOL12       , VOL13       ,
563                  VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                     VOL19       , VOL20       , VOL21       ,
564                  VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                     VOL27       , VOL28       ,  . . .      ,
565
566                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***
567
568                                    ** CONC OF OTHER    IN
                                       MICROGRAMS/M**3                          **
569
570          X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
             Y-COORD (M)        CONC     (YYMMDDHH)
571   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - -
572          440769.54   3761316.44      226.93082c (23013008)                440885.08
             3761233.72      230.27835c (23013008)
573          440942.99   3761237.37      239.51738c (23013008)                440769.57
             3761294.98      225.51538c (23013008)
574          441264.79   3761237.83      288.66582c (23013008)                441396.39
             3761228.15      333.66716  (17022008)
575          441633.90   3761229.53      489.99552  (18010908)                441839.43
             3761231.28      750.99480  (22121708)
```

576	442193.26	3761092.32	640.46153	(21123008)	442736.29
	3761091.73	414.49143	(22012008)		
577	442867.08	3761089.40	354.66822	(22012008)	443107.85
	3761253.32	546.30261	(17032208)		
578	443327.70	3761050.95	309.17708	(22082908)	441881.29
	3762001.44	469.98705	(21111008)		
579	440583.15	3761320.92	197.64250c	(23013008)	440579.83
	3761299.75	197.43601c	(23013008)		
580	440431.88	3761496.28	143.29615c	(23013008)	440335.22
	3761292.06	167.03606c	(23013008)		
581	440356.14	3761232.22	168.29778c	(23013008)	439969.47
	3761230.13	134.29003c	(23013008)		
582	439868.62	3761297.08	123.68521c	(23013008)	439865.27
	3761245.19	126.31264c	(23013008)		
583	440229.76	3761288.71	155.95146c	(23013008)	439957.76
	3761363.20	123.76470c	(23013008)		
584	439870.71	3761572.02	101.32929	(21031108)	439930.56
	3761556.53	105.02178	(21031108)		
585	439870.71	3761839.42	115.25842c	(23031924)	439924.70
	3761957.01	111.54616c	(23031924)		
586	439924.28	3762099.71	90.87290c	(23031924)	439863.60
	3762112.26	87.87134c	(23031924)		
587	439873.26	3762554.88	112.82689	(23121908)	439874.80
	3762661.28	111.05541	(23121908)		
588	439927.48	3762571.08	116.43565	(23121908)	439942.64
	3762649.46	114.15283	(23121908)		
589	439874.24	3763087.57	86.47681	(17020308)	439872.56
	3763272.54	81.08621	(17040408)		
590	439876.33	3763332.38	84.30771	(17040408)	439874.24
	3763445.79	92.01759	(18120524)		
591	439861.68	3763702.32	92.73110	(18120524)	439875.08
	3763945.45	78.40866	(21120308)		
592	440074.27	3763727.01	84.56208	(21120308)	439872.56
	3764008.22	80.57931	(21120308)		
593	439873.82	3764196.54	80.09012	(21120308)	439944.96
	3764712.10	78.15444c	(18081308)		
594	439880.10	3764775.71	75.31198c	(18081308)	439880.52
	3764900.83	78.52481c	(18081308)		
595	439944.96	3764933.89	81.41399c	(18081308)	439951.24
	3765049.81	79.93152c	(18081308)		
596	439880.10	3765027.63	79.12559c	(18081308)	439951.66
	3765276.21	71.58567c	(18081308)		
597	439875.49	3765270.77	73.79330c	(18081308)	439874.50
	3765815.86	46.47470c	(18081308)		
598	440004.83	3765814.70	40.87132	(17040424)	439865.36
	3760870.32	86.00930c	(23013008)		
599	439781.42	3760421.48	79.66647	(18010908)	439860.47
	3760191.14	85.21599	(18010908)		
600	439923.10	3757937.26	47.02053	(21123008)	438973.38
	3754580.48	12.05730	(21121408)		
601	439631.09	3762694.55	102.74598	(23121908)	442816.66
	3761641.08	1307.17974	(21120224)		
602	442840.46	3762023.13	699.11877	(21122808)	442844.83
	3762050.67	665.80033	(21122808)		
603	443047.82	3762051.32	581.41735	(17021108)	443029.03
	3762020.29	593.71559	(17021108)		
604	443122.56	3762052.85	541.57266	(17021908)	443438.77
	3762060.83	398.74016	(17021908)		
605	443421.50	3762034.46	400.06873	(17021908)	443872.88
	3762119.96	263.71394	(22011824)		
606	444355.79	3762116.93	205.57680	(22071108)	445022.64
	3761785.97	142.50619	(18052008)		
607	445316.67	3762043.06	125.71414c	(18062108)	445303.86
	3761970.17	126.00374c	(18062108)		
608	445607.24	3762043.06	112.62638c	(18062108)	445882.06
	3762042.08	102.72113	(21041408)		

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609          446067.74   3761982.48       99.80404  (23070108)                446058.87
             3762058.33        97.90692  (21041408)
610          446255.23   3762062.11       93.45360  (23070108)                446484.25
             3762227.10        83.35063c (18062108)
611          446439.92   3762290.63       85.40657c (18101108)                446749.22
             3762427.55        80.75492c (18101108)
612  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
613   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:31:50
614
                                  PAGE  12
615   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
616
617                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
618                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
619                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                     VOL11       , VOL12       , VOL13       ,
620                  VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                     VOL19       , VOL20       , VOL21       ,
621                  VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                     VOL27       , VOL28       ,  . . .      ,
622
623                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
624
625                                     ** CONC OF OTHER    IN
                                        MICROGRAMS/M**3                          **
626
627          X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
             Y-COORD (M)        CONC     (YYMMDDHH)
628   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
629          446844.30   3762432.18       76.60095c (18101108)                447224.68
             3762429.46        66.99224c (18101108)
630          447272.39   3762441.73       65.87227c (18101108)                446893.38
             3762355.15        72.90721c (18062108)
631          447657.60   3762177.92       67.34382  (23070108)                439164.02
             3762679.50        75.02063  (23121908)
632          442309.67   3758691.58       29.05803  (17012824)                441607.59
             3758831.67        40.24740  (21121408)
633          442346.32   3758837.37       32.47115  (17012824)                442782.88
             3758835.74        37.10531  (17012824)
634          443526.49   3758833.30       34.92311  (23020108)                441007.77
             3758832.80        49.03921  (21121408)
635          442733.11   3762008.67      753.86509  (21122808)                442555.03
             3762014.43       675.77728  (17011108)
636          442372.42   3762032.69      625.64917  (22123024)                442471.33
             3762020.14       667.64511  (23010324)
637          442309.05   3762003.23      619.63335  (22123024)                442267.23
             3762011.88       564.10487  (22123024)
638          442157.88   3762010.71      480.20719  (22123024)                442023.53
             3762012.58       452.06809  (21111008)
639          441918.37   3762014.94      450.03409  (21111008)                441564.90
             3762038.22       267.04601  (23121308)
640          441257.28   3761984.82      222.55115c (17020508)                441170.84
             3762020.05       201.26103c (17020508)
641          440928.18   3762012.31      179.71644c (17020508)                440604.66
             3762010.98       134.33525  (17011008)
642          440672.33   3761517.55      170.67128  (21031108)                440866.01
             3762003.09       164.21811c (17020508)
643  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
644   *** AERMET - VERSION  22112 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
440769.54	3761316.44	81.17769	(18120624)	440885.08	3761233.72	84.76167	(23032724)
440942.99	3761237.37	89.16029	(23032724)	440769.57	3761294.98	80.30861	(23032724)
441264.79	3761237.83	132.27487	(18122824)	441396.39	3761228.15	169.53754	(18122824)
441633.90	3761229.53	254.74208	(22011024)	441839.43	3761231.28	399.88293	(17010724)
442193.26	3761092.32	384.75645	(21123024)	442736.29	3761091.73	270.52567m	(21011124)
442867.08	3761089.40	219.06838	(22012024)	443107.85	3761253.32	302.06460m	(23031624)
443327.70	3761050.95	155.06521m	(23031624)	441881.29	3762001.44	230.08188	(23021024)
440583.15	3761320.92	72.16875	(18120624)	440579.83	3761299.75	70.43594	(18120624)
440431.88	3761496.28	66.42244	(18120624)	440335.22	3761292.06	60.57709	(18120624)
440356.14	3761232.22	57.88154b	(23013024)	439969.47	3761230.13	47.72134	(18120624)
439868.62	3761297.08	47.41281	(18120624)	439865.27	3761245.19	46.09827	(18120624)
440229.76	3761288.71	57.00388	(18120624)	439957.76	3761363.20	50.23621	(18120624)
439870.71	3761572.02	43.29303b	(21012324)	439930.56	3761556.53	44.97842b	(21012324)
439870.71	3761839.42	50.66745b	(23031924)	439924.70	3761957.01	49.10033b	(23031924)
439924.28	3762099.71	39.79646b	(23031924)	439863.60	3762112.26	38.46709b	(23031924)
439873.26	3762554.88	40.32016	(23121924)	439874.80	3762661.28	40.50533	(21110424)
439927.48	3762571.08	41.51393	(23121924)	439942.64	3762649.46	42.86079	(21110424)
439874.24	3763087.57	40.01516	(21110424)	439872.56	3763272.54	31.24100	(21110424)
439876.33	3763332.38	30.94579c	(18120524)	439874.24	3763445.79	34.73239c	(18120524)
439861.68	3763702.32	34.78433c	(18120524)	439875.08	3763945.45	30.67447	(22090724)

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680          440074.27   3763727.01       34.12094  (22090724)                439872.56
             3764008.22        29.73645  (22090724)
681          439873.82   3764196.54       27.49140  (21120324)                439944.96
             3764712.10        21.76479  (21081224)
682          439880.10   3764775.71       21.35400  (21081224)                439880.52
             3764900.83        21.54085c (18081324)
683          439944.96   3764933.89       22.32869c (18081324)                439951.24
             3765049.81        21.91937c (18081324)
684          439880.10   3765027.63       21.69935c (18081324)                439951.66
             3765276.21        19.63445c (18081324)
685          439875.49   3765270.77       20.23643c (18081324)                439874.50
             3765815.86        16.06529  (23041024)
686          440004.83   3765814.70       15.43123  (23041024)                439865.36
             3760870.32        36.93189  (22010924)
687          439781.42   3760421.48       41.32490  (18122824)                439860.47
             3760191.14        38.48492  (18122824)
688          439923.10   3757937.26       22.73969  (21123024)                438973.38
             3754580.48         5.42344  (17121124)
689          439631.09   3762694.55       36.38015  (23121924)                442816.66
             3761641.08       844.95025m (21033024)
690          442840.46   3762023.13        426.58187  (21122824)              442844.83
             3762050.67       402.52627  (21122824)
691          443047.82   3762051.32        302.31146  (23030524)              443029.03
             3762020.29       317.99552  (23030524)
692          443122.56   3762052.85        266.73886  (23030524)              443438.77
             3762060.83       215.93314  (17110224)
693          443421.50   3762034.46        225.84100  (17110224)              443872.88
             3762119.96       143.70791  (17110224)
694          444355.79   3762116.93        115.07730  (23092824)              445022.64
             3761785.97        71.81040  (17081724)
695          445316.67   3762043.06        57.95877  (21071224)               445303.86
             3761970.17        59.66541  (17081724)
696          445607.24   3762043.06        50.87882  (17081724)               445882.06
             3762042.08        48.04905  (17081724)
697          446067.74   3761982.48        48.84374  (17081724)               446058.87
             3762058.33        45.76266  (17081724)
698          446255.23   3762062.11        43.73169  (17081724)               446484.25
             3762227.10        36.23088  (17081824)
699          446439.92   3762290.63        36.82968  (21071224)               446749.22
             3762427.55        32.50268  (21071224)
700  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
701   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      11:31:50
702
                                  PAGE  14
703   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
704
705                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
706                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
707                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                    VOL11       , VOL12       , VOL13       ,
708                 VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                    VOL19       , VOL20       , VOL21       ,
709                 VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                    VOL27       , VOL28       ,  . . .      ,
710
711                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***
712
713                                   ** CONC OF OTHER    IN
                                      MICROGRAMS/M**3                          **
714
715         X-COORD (M)  Y-COORD (M)        CONC      (YYMMDDHH)              X-COORD (M)
```

```
      Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        446844.30   3762432.18       31.34078  (21071224)                447224.68
        3762429.46       29.20549  (17081824)
        447272.39   3762441.73       28.68177  (17081824)                446893.38
        3762355.15       31.83738  (17081824)
        447657.60   3762177.92       30.49185  (17081724)                439164.02
        3762679.50       26.95408  (23121924)
        442309.67   3758691.58       18.95684m (21011124)                441607.59
        3758831.67       16.86528  (21121424)
        442346.32   3758837.37       21.30570m (21011124)                442782.88
        3758835.74       26.06023m (21011124)
        443526.49   3758833.30       18.17273  (23020124)                441007.77
        3758832.80       25.75976  (21123024)
        442733.11   3762008.67      463.30025  (21122824)                442555.03
        3762014.43      412.75884  (21122824)
        442372.42   3762032.69      349.65079  (22123024)                442471.33
        3762020.14      370.22473  (22123024)
        442309.05   3762003.23      356.85201  (22123024)                442267.23
        3762011.88      330.86240  (22123024)
        442157.88   3762010.71      281.55346  (22123024)                442023.53
        3762012.58      225.64371  (21111024)
        441918.37   3762014.94      222.05276  (23021024)                441564.90
        3762038.22      154.29318  (23021024)
        441257.28   3761984.82       99.62507  (23021024)                441170.84
        3762020.05       88.06477  (23021024)
        440928.18   3762012.31       72.64867  (18120624)                440604.66
        3762010.98       57.20746  (18120624)
        440672.33   3761517.55       80.43539  (18120624)                440866.01
        3762003.09       69.38995  (18120624)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***       12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 11:31:50

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

                                                          *** THE SUMMARY OF HIGHEST  1-HR RESULTS
                                                          ***


                                              ** CONC OF OTHER    IN
                                              MICROGRAMS/M**3                          **


                                                                DATE

                                                                  NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS    1507.77365  ON 22122417: AT (  442816.66,
3761641.08,   208.80,   208.80,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***       12/18/25
```

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 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 11:31:50

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

                                                  *** THE SUMMARY OF HIGHEST  8-HR RESULTS
                                                  ***


                                     ** CONC OF OTHER    IN
                                     MICROGRAMS/M**3                          **


                                                        DATE

                                                          NETWORK
GROUP ID                              AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS    1307.17974  ON 21120224: AT (  442816.66,
3761641.08,   208.80,   208.80,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 11:31:50

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

                                                  *** THE SUMMARY OF HIGHEST 24-HR RESULTS
                                                  ***


                                     ** CONC OF OTHER    IN
                                     MICROGRAMS/M**3                          **


                                                        DATE

                                                          NETWORK
GROUP ID                              AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     844.95025m ON 21033024: AT (  442816.66,
3761641.08,   208.80,   208.80,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
```

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795    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       11:31:50
796
                                  PAGE  18
797    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
798
799    *** Message Summary : AERMOD Model Execution ***
800
801     --------- Summary of Total Messages --------
802
803    A Total of            0 Fatal Error Message(s)
804    A Total of          419 Warning Message(s)
805    A Total of         1967 Informational Message(s)
806
807    A Total of        43800 Hours Were Processed
808
809    A Total of         1244 Calm Hours Identified
810
811    A Total of          723 Missing Hours Identified (  1.65 Percent)
812
813
814       ******** FATAL ERROR MESSAGES ********
815                  ***  NONE  ***
816
817
818       ********   WARNING MESSAGES   ********
819    ME W186     126       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
       used           0.50
820    ME W187     126       MEOPEN: ADJ_U* Option for Stable Low Winds used in
       AERMET
821    CN W733     144         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017010624
822    CN W733     176         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017010808
823    CN W732     192         AVER: 24-hr avg, < 18 hours of data, calms policy used.
       2017010824
824    CN W733     464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017012008
825    CN W733     472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017012016
826    CN W732     480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
       2017012024
827    CN W733    1168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017021816
828    CN W732    1176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
       2017021824
829    CN W733    1952         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017032308
830    CN W733    1960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017032316
831    CN W733    1976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017032408
832    CN W733    2024         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017032608
833    CN W733    2032         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017032616
834    CN W732    2040         AVER: 24-hr avg, < 18 hours of data, calms policy used.
       2017032624
835    CN W733    8096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017120408
836    CN W733    8760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2017123124
837    CN W733    9096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
       2018011424
838    CN W733    9120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
```

2018011524
839 CN W732 9120 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018011524
840 CN W733 9152 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018011708
841 CN W732 9168 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018011724
842 CN W733 9256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012116
843 CN W733 9336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012424
844 CN W733 9384 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012624
845 CN W733 9392 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012708
846 CN W733 9400 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018012716
847 CN W732 9408 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018012724
848 CN W733 9472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018013016
849 CN W733 9512 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020108
850 CN W733 9536 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020208
851 CN W732 9552 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020224
852 CN W733 9624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020524
853 CN W733 9632 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020608
854 CN W733 9640 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020616
855 CN W732 9648 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020624
856 CN W733 9656 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020708
857 CN W733 9664 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020716
858 CN W733 9672 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020724
859 CN W732 9672 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020724
860 CN W733 9704 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020908
861 CN W733 9712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020916
862 CN W732 9720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020924
863 CN W733 9744 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021024
864 CN W733 9752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021108
865 CN W733 9776 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021208
866 CN W733 9872 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021608
867 CN W733 9880 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021616
868 CN W732 9888 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018021624
869 CN W733 9992 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018022108
870 CN W733 10048 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018022316
871 CN W733 10088 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2018022508
872 CN W733 10208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030208
873 CN W733 10216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030216
874 CN W732 10224 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030224
875 CN W733 10264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030416
876 CN W733 10272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030424
877 CN W732 10272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030424
878 CN W733 10280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030508
879 CN W733 10360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030816
880 CN W732 10368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030824
881 CN W733 10416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018031024
882 CN W733 10648 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032016
883 CN W733 10800 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032624
884 CN W733 10856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032908
885 CN W732 10872 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018032924
886 CN W733 11056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018040616
887 CN W733 11552 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018042708
888 CN W733 11712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018050324
889 CN W733 11720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018050408
890 CN W733 11960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051408
891 CN W733 11984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051508
892 CN W733 12056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051808
893 CN W733 12176 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018052308
894 CN W733 12400 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060116
895 CN W733 12408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060124
896 CN W732 12408 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018060124
897 CN W733 12416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060208
898 CN W733 13184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070408
899 CN W733 13192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070416
900 CN W733 13200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070424
901 CN W732 13200 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018070424
902 CN W733 13240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070616
903 CN W733 13280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070808
904 CN W732 13296 AVER: 24-hr avg, < 18 hours of data, calms policy used.

2018070824
905 CN W733 13448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071508
906 CN W732 13464 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018071524
907 CN W733 13480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071616
908 CN W733 13664 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072408
909 CN W732 13680 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072424
910 CN W733 13688 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072508
911 CN W732 13704 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072524
912 CN W733 13760 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072808
913 CN W733 13832 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018073108
914 CN W733 14000 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018080708
915 CN W733 14336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082108
916 CN W733 14480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082708
917 CN W733 14488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082716
918 CN W732 14496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018082724
919 CN W733 14784 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018090824
920 CN W733 14960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091608
921 CN W732 14976 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091624
922 CN W733 15008 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091808
923 CN W733 15016 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091816
924 CN W732 15024 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091824
925 CN W733 15032 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091908
926 CN W733 15040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091916
927 CN W732 15048 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091924
928 CN W733 15224 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018092708
929 CN W733 15520 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018100916
930 CN W733 15624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018101324
931 CN W733 15816 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102124
932 CN W732 15816 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018102124
933 CN W733 15864 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102324
934 CN W733 15872 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102408
935 CN W733 15936 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102624
936 CN W733 15984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102824
937 CN W733 16200 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2018110624
938 CN W733 16208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110708
939 CN W733 16216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110716
940 CN W732 16224 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018110724
941 CN W733 16344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111224
942 CN W733 16392 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111424
943 CN W733 16480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111816
944 CN W733 16488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111824
945 CN W732 16488 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018111824
946 CN W733 16496 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111908
947 CN W733 16504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111916
948 CN W732 16512 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018111924
949 CN W733 16536 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018112024
950 CN W733 16720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018112816
951 CN W733 16752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018112924
952 CN W733 16952 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018120808
953 CN W732 16968 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018120824
954 CN W733 17000 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121008
955 CN W733 17008 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121016
956 CN W732 17016 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018121024
957 CN W733 17104 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121416
958 CN W733 17136 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121524
959 CN W733 17192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018121808
960 CN W732 17208 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018121824
961 CN W733 17328 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018122324
962 CN W733 17376 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018122524
963 CN W733 17384 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018122608
964 MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at:
21010101
965 MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 2
year gap
966 CN W733 17568 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021010224
967 CN W733 17576 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021010308
968 CN W733 17616 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021010424
969 CN W733 17624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021010508
970 CN W733 17640 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2021010524
971 CN W732 17640 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021010524
972 CN W733 17648 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021010608
973 CN W733 17728 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021010916
974 CN W732 17736 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021010924
975 CN W733 17752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021011016
976 CN W732 17760 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011024
977 CN W733 17776 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021011116
978 CN W732 17784 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011124
979 CN W733 17800 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021011216
980 CN W732 17808 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011224
981 CN W733 18064 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021012316
982 CN W732 18072 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012324
983 CN W733 18088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021012416
984 CN W732 18096 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012424
985 CN W733 18112 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021012516
986 CN W732 18120 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012524
987 CN W733 18224 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013008
988 CN W733 18232 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013016
989 CN W733 18240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013024
990 CN W732 18240 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013024
991 CN W733 18248 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013108
992 CN W733 18256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013116
993 CN W732 18264 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013124
994 CN W733 18408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021020624
995 CN W733 18416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021020708
996 CN W733 18840 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021022424
997 CN W732 18840 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021022424
998 CN W733 18848 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021022508
999 CN W733 18976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030216
1000 CN W733 18984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030224
1001 CN W732 18984 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021030224
1002 CN W733 18992 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030308
1003 CN W733 19264 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2021031416
1004 CN W732 19272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031424
1005 CN W733 19352 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031808
1006 CN W733 19360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031816
1007 CN W732 19368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031824
1008 CN W733 19440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021032124
1009 CN W733 19448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021032208
1010 CN W733 19648 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021033016
1011 CN W732 19656 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021033024
1012 CN W733 19728 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040224
1013 CN W733 19736 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040308
1014 CN W733 19744 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040316
1015 CN W732 19752 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021040324
1016 CN W733 19760 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040408
1017 CN W733 19768 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040416
1018 CN W732 19776 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021040424
1019 CN W733 19904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021041008
1020 CN W733 19960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021041216
1021 CN W733 20168 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042108
1022 CN W733 20216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042308
1023 CN W733 20240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042408
1024 CN W733 20264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042508
1025 CN W733 20320 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042716
1026 CN W733 20360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042908
1027 CN W733 20368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042916
1028 CN W732 20376 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021042924
1029 CN W733 20408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050108
1030 CN W732 20424 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050124
1031 CN W733 20472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050324
1032 CN W733 20480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050408
1033 CN W732 20496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050424
1034 CN W733 20504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050508
1035 CN W732 20520 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050524
1036 CN W733 20528 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2021050608
CN W733 21200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060308
CN W733 21208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060316
CN W732 21216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021060324
CN W733 21752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021062608
CN W733 22248 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071624
CN W733 22256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071708
CN W733 22264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071716
CN W733 22272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071724
CN W732 22272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021071724
CN W733 22280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071808
CN W733 22288 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071816
CN W733 22296 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071824
CN W732 22296 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021071824
CN W733 22304 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071908
CN W732 22320 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021071924
CN W733 22976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021081608
CN W733 23368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021090116
CN W732 23376 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021090124
CN W733 23632 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021091216
CN W733 24256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100816
CN W732 24264 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100824
CN W733 24280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100916
CN W732 24288 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100924
CN W733 25120 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021111316
CN W733 25160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021111508
CN W732 25176 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021111524
CN W733 25376 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112408
CN W733 25424 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112608
CN W733 25432 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112616
CN W733 25440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112624
CN W732 25440 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112624
CN W733 25448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112708
CN W733 25456 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2021112716
1070 CN W732 25464 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112724
1071 CN W733 25784 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021121108
1072 CN W733 26336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022010308
1073 CN W733 26344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022010316
1074 CN W732 26352 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022010324
1075 CN W733 28040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022031508
1076 CN W733 28048 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022031516
1077 CN W733 29488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022051416
1078 CN W732 29496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022051424
1079 CN W733 30208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022061316
1080 CN W732 30216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022061324
1081 CN W733 31216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022072516
1082 CN W733 31624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022081116
1083 CN W732 31632 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022081124
1084 CN W733 31880 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022082208
1085 CN W733 31888 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022082216
1086 CN W732 31896 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022082224
1087 CN W733 32320 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022090916
1088 CN W732 32328 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022090924
1089 CN W733 32336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091008
1090 CN W733 32360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091108
1091 CN W733 32384 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091208
1092 CN W732 32400 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022091224
1093 CN W733 32440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091416
1094 CN W733 32504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091708
1095 CN W733 32512 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091716
1096 CN W732 32520 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022091724
1097 CN W733 32552 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091908
1098 CN W733 32816 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022093008
1099 CN W733 32936 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022100508
1100 CN W733 32944 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022100516
1101 CN W732 32952 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100524
1102 CN W733 33288 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2022101924
1103 CN W733 33856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111216
1104 CN W732 33864 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111224
1105 CN W733 33880 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111316
1106 CN W732 33888 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111324
1107 CN W733 33896 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111408
1108 CN W733 33904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111416
1109 CN W732 33912 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111424
1110 CN W733 33928 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111516
1111 CN W732 33936 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111524
1112 CN W733 34184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022112608
1113 CN W733 34360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022120316
1114 CN W732 34368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022120324
1115 CN W733 34976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022122908
1116 CN W733 35528 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012108
1117 CN W733 35536 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012116
1118 CN W732 35544 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012124
1119 CN W733 35720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012908
1120 CN W732 35736 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012924
1121 CN W733 35768 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023013108
1122 CN W733 35904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023020524
1123 CN W733 36088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021316
1124 CN W732 36096 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021324
1125 CN W733 36160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021616
1126 CN W732 36168 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021624
1127 CN W733 36440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023022808
1128 CN W733 36608 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023030708
1129 CN W732 36624 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023030724
1130 CN W733 36688 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031016
1131 CN W732 36696 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031024
1132 CN W733 36712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031116
1133 CN W732 36720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031124
1134 CN W733 36736 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031216
1135 CN W732 36744 AVER: 24-hr avg, < 18 hours of data, calms policy used.

2023031224
CN W733 36832 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031616
CN W732 36840 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031624
CN W733 36856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031716
CN W733 36896 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031908
CN W733 36912 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031924
CN W732 36912 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031924
CN W733 36920 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023032008
CN W732 36936 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023032024
CN W733 37160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033008
CN W733 37184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033108
CN W733 37192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033116
CN W733 37200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033124
CN W732 37200 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023033124
CN W733 37360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023040716
CN W732 37368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023040724
CN W733 37904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023043008
CN W733 38368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023051916
CN W732 38376 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023051924
CN W733 38824 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060716
CN W733 38840 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060808
CN W733 38968 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061316
CN W733 38984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061408
CN W733 39016 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061516
CN W733 39040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061616
CN W733 39056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061708
CN W732 39072 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061724
CN W733 39080 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061808
CN W733 39104 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061908
CN W733 39128 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062008
CN W733 39136 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062016
CN W732 39144 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062024
CN W733 39152 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062108
CN W733 39160 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2023062116
1169 CN W732 39168 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062124
1170 CN W733 39176 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062208
1171 CN W733 39200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062308
1172 CN W733 39208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062316
1173 CN W732 39216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062324
1174 CN W733 39224 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062408
1175 CN W733 39232 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062416
1176 CN W732 39240 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062424
1177 CN W733 39248 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062508
1178 CN W732 39264 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062524
1179 CN W733 39272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062608
1180 CN W732 39288 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062624
1181 CN W733 39296 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062708
1182 CN W732 39312 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062724
1183 CN W733 39344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062908
1184 CN W732 39360 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062924
1185 CN W733 39368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023063008
1186 CN W733 39712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023071416
1187 CN W732 39720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071424
1188 CN W733 40080 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023072924
1189 CN W733 40088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073008
1190 CN W732 40104 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073024
1191 CN W733 40112 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073108
1192 CN W733 40120 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073116
1193 CN W732 40128 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073124
1194 CN W733 40136 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023080108
1195 CN W732 40152 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023080124
1196 CN W733 40624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082116
1197 CN W733 40640 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082208
1198 CN W733 40856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023083108
1199 CN W733 41040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023090724
1200 CN W733 41144 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023091208
1201 CN W733 41392 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2023092216
1202 CN W732 41400 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092224
1203 CN W733 41472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092524
1204 CN W733 41480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092608
1205 CN W733 41728 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100616
1206 CN W733 41808 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100924
1207 CN W733 41864 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101208
1208 CN W732 41880 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101224
1209 CN W733 41944 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101516
1210 CN W732 41952 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101524
1211 CN W733 42328 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023103116
1212 CN W733 42344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110108
1213 CN W733 42352 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110116
1214 CN W733 42360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110124
1215 CN W732 42360 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110124
1216 CN W733 42368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110208
1217 CN W733 42376 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110216
1218 CN W732 42384 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110224
1219 CN W733 42400 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110316
1220 CN W732 42408 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110324
1221 CN W733 42424 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110416
1222 CN W733 42432 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110424
1223 CN W732 42432 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110424
1224 CN W733 42440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110508
1225 CN W733 42448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110516
1226 CN W733 42456 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110524
1227 CN W732 42456 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110524
1228 CN W733 42464 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110608
1229 CN W733 42472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110616
1230 CN W732 42480 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110624
1231 CN W733 42488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110708
1232 CN W733 42496 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110716
1233 CN W732 42504 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110724
1234 CN W733 43216 AVER: 8-hr avg, < 6 hours of data, calms policy used.

```
      2023120716
1235  CN W732   43224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023120724
1236  CN W733   43672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023122616
1237  CN W732   43680         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023122624
1238
1239     ***********************************
1240     *** AERMOD Finishes Successfully ***
1241     ***********************************
1242
1243
```

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 12/18/2025
** File: C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops LST Ph2\16285 Ops LST Ph2.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24
   URBANOPT 2195611 San_Bernardino_County
   POLLUTID OTHER
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "16285 Ops LST Ph2.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     442724.884  3761568.312      208.400
   LOCATION VOL2         VOLUME     442725.108  3761339.529      206.170
   LOCATION VOL3         VOLUME     442726.822  3761455.137      207.820
   LOCATION VOL4         VOLUME     442064.067  3761569.196      208.530
   LOCATION VOL5         VOLUME     442065.533  3761456.437      207.340
   LOCATION VOL6         VOLUME     442064.067  3761340.386      206.890
   LOCATION VOL7         VOLUME     442181.529  3761339.529      206.580
   LOCATION VOL8         VOLUME     442297.275  3761338.671      206.150
   LOCATION VOL9         VOLUME     442413.879  3761339.529      207.130
   LOCATION VOL10        VOLUME     442531.340  3761339.529      207.060
   LOCATION VOL11        VOLUME     442645.371  3761340.386      206.710
   LOCATION VOL12        VOLUME     442608.781  3761568.670      208.770
   LOCATION VOL13        VOLUME     442493.145  3761569.279      208.570
   LOCATION VOL14        VOLUME     442378.615  3761569.887      207.370
   LOCATION VOL15        VOLUME     442270.171  3761567.481      208.170
   LOCATION VOL16        VOLUME     442179.620  3761568.643      208.510
   LOCATION VOL17        VOLUME     442182.137  3761455.081      207.250
   LOCATION VOL18        VOLUME     442297.275  3761452.869      206.970
   LOCATION VOL19        VOLUME     442414.238  3761454.584      207.750
   LOCATION VOL20        VOLUME     442515.907  3761453.864      207.710
   LOCATION VOL21        VOLUME     442623.079  3761453.367      207.640
   LOCATION VOL22        VOLUME     442724.553  3761682.434      209.880
   LOCATION VOL23        VOLUME     442608.449  3761682.793      209.640
   LOCATION VOL24        VOLUME     442492.813  3761683.401      209.390
   LOCATION VOL25        VOLUME     442378.284  3761684.010      209.130
   LOCATION VOL26        VOLUME     442269.839  3761681.604      207.970
   LOCATION VOL27        VOLUME     442179.288  3761682.765      208.800
   LOCATION VOL28        VOLUME     442063.736  3761683.318      208.490
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     LOCATION VOL29        VOLUME     442723.944  3761763.968      210.450
     LOCATION VOL30        VOLUME     442608.449  3761765.544      210.170
     LOCATION VOL31        VOLUME     442494.030  3761764.935      209.830
     LOCATION VOL32        VOLUME     442377.675  3761762.502      209.290
     LOCATION VOL50        VOLUME     441946.455  3761568.319      207.600
     LOCATION VOL57        VOLUME     441831.876  3761567.928      206.360
     LOCATION VOL58        VOLUME     441719.145  3761570.380      206.270
     LOCATION VOL59        VOLUME     441605.135  3761567.626      206.440
     LOCATION VOL60        VOLUME     441489.152  3761568.710      206.670
     LOCATION VOL61        VOLUME     441372.086  3761570.878      206.410
     LOCATION VOL62        VOLUME     441256.103  3761571.962      206.600
     LOCATION VOL63        VOLUME     441256.103  3761340.138      204.800
     LOCATION VOL64        VOLUME     441371.002  3761339.054      205.070
     LOCATION VOL65        VOLUME     441485.901  3761340.138      202.880
     LOCATION VOL66        VOLUME     441600.799  3761335.802      205.540
     LOCATION VOL33        VOLUME     441715.698  3761339.054      205.280
     LOCATION VOL34        VOLUME     441829.513  3761340.138      205.690
     LOCATION VOL35        VOLUME     441946.580  3761340.138      206.250
     LOCATION VOL36        VOLUME     441946.899  3761454.895      207.960
     LOCATION VOL37        VOLUME     441831.432  3761454.255      207.920
     LOCATION VOL38        VOLUME     441716.089  3761453.917      207.400
     LOCATION VOL39        VOLUME     441602.718  3761452.265      206.590
     LOCATION VOL40        VOLUME     441489.028  3761456.139      205.760
     LOCATION VOL41        VOLUME     441373.809  3761454.682      206.520
     LOCATION VOL42        VOLUME     441257.631  3761455.446      206.670
     LOCATION VOL43        VOLUME     441945.075  3761683.161      208.580
     LOCATION VOL44        VOLUME     441830.496  3761682.770      208.510
     LOCATION VOL45        VOLUME     441717.766  3761685.223      207.440
     LOCATION VOL46        VOLUME     441603.755  3761682.469      208.290
     LOCATION VOL47        VOLUME     441487.773  3761683.553      207.560
     LOCATION VOL48        VOLUME     441370.706  3761685.721      207.410
     LOCATION VOL49        VOLUME     441254.723  3761686.805      207.950
     LOCATION VOL51        VOLUME     441825.148  3761753.832      209.220
     LOCATION VOL52        VOLUME     441709.360  3761756.285      208.440
     LOCATION VOL53        VOLUME     441595.350  3761753.531      208.690
     LOCATION VOL54        VOLUME     441479.367  3761754.615      207.880
     LOCATION VOL55        VOLUME     441362.301  3761756.783      207.980
     LOCATION VOL56        VOLUME     441246.318  3761757.866      208.170
** Source Parameters **
     SRCPARAM VOL1              1.0      5.000    26.719     1.400
     SRCPARAM VOL2              1.0      5.000    26.719     1.400
     SRCPARAM VOL3              1.0      5.000    26.719     1.400
     SRCPARAM VOL4              1.0      5.000    26.719     1.400
     SRCPARAM VOL5              1.0      5.000    26.719     1.400
     SRCPARAM VOL6              1.0      5.000    26.719     1.400
     SRCPARAM VOL7              1.0      5.000    26.719     1.400
     SRCPARAM VOL8              1.0      5.000    26.719     1.400
     SRCPARAM VOL9              1.0      5.000    26.719     1.400
     SRCPARAM VOL10             1.0      5.000    26.719     1.400
     SRCPARAM VOL11             1.0      5.000    26.719     1.400
     SRCPARAM VOL12             1.0      5.000    26.719     1.400
     SRCPARAM VOL13             1.0      5.000    26.719     1.400
     SRCPARAM VOL14             1.0      5.000    26.719     1.400
     SRCPARAM VOL15             1.0      5.000    26.719     1.400
     SRCPARAM VOL16             1.0      5.000    26.719     1.400
     SRCPARAM VOL17             1.0      5.000    26.719     1.400
     SRCPARAM VOL18             1.0      5.000    26.719     1.400
     SRCPARAM VOL19             1.0      5.000    26.719     1.400
     SRCPARAM VOL20             1.0      5.000    26.719     1.400
     SRCPARAM VOL21             1.0      5.000    26.719     1.400
     SRCPARAM VOL22             1.0      5.000    26.719     1.400
     SRCPARAM VOL23             1.0      5.000    26.719     1.400
     SRCPARAM VOL24             1.0      5.000    26.719     1.400
     SRCPARAM VOL25             1.0      5.000    26.719     1.400
     SRCPARAM VOL26             1.0      5.000    26.719     1.400
     SRCPARAM VOL27             1.0      5.000    26.719     1.400
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    SRCPARAM VOL28              1.0     5.000    26.719     1.400
    SRCPARAM VOL29              1.0     5.000    26.719     1.400
    SRCPARAM VOL30              1.0     5.000    26.719     1.400
    SRCPARAM VOL31              1.0     5.000    26.719     1.400
    SRCPARAM VOL32              1.0     5.000    26.719     1.400
    SRCPARAM VOL50              1.0     5.000    26.719     1.400
    SRCPARAM VOL57              1.0     5.000    26.719     1.400
    SRCPARAM VOL58              1.0     5.000    26.719     1.400
    SRCPARAM VOL59              1.0     5.000    26.719     1.400
    SRCPARAM VOL60              1.0     5.000    26.719     1.400
    SRCPARAM VOL61              1.0     5.000    26.719     1.400
    SRCPARAM VOL62              1.0     5.000    26.719     1.400
    SRCPARAM VOL63              1.0     5.000    26.719     1.400
    SRCPARAM VOL64              1.0     5.000    26.719     1.400
    SRCPARAM VOL65              1.0     5.000    26.719     1.400
    SRCPARAM VOL66              1.0     5.000    26.719     1.400
    SRCPARAM VOL33              1.0     5.000    26.719     1.400
    SRCPARAM VOL34              1.0     5.000    26.719     1.400
    SRCPARAM VOL35              1.0     5.000    26.719     1.400
    SRCPARAM VOL36              1.0     5.000    26.719     1.400
    SRCPARAM VOL37              1.0     5.000    26.719     1.400
    SRCPARAM VOL38              1.0     5.000    26.719     1.400
    SRCPARAM VOL39              1.0     5.000    26.719     1.400
    SRCPARAM VOL40              1.0     5.000    26.719     1.400
    SRCPARAM VOL41              1.0     5.000    26.719     1.400
    SRCPARAM VOL42              1.0     5.000    26.719     1.400
    SRCPARAM VOL43              1.0     5.000    26.719     1.400
    SRCPARAM VOL44              1.0     5.000    26.719     1.400
    SRCPARAM VOL45              1.0     5.000    26.719     1.400
    SRCPARAM VOL46              1.0     5.000    26.719     1.400
    SRCPARAM VOL47              1.0     5.000    26.719     1.400
    SRCPARAM VOL48              1.0     5.000    26.719     1.400
    SRCPARAM VOL49              1.0     5.000    26.719     1.400
    SRCPARAM VOL51              1.0     5.000    26.719     1.400
    SRCPARAM VOL52              1.0     5.000    26.719     1.400
    SRCPARAM VOL53              1.0     5.000    26.719     1.400
    SRCPARAM VOL54              1.0     5.000    26.719     1.400
    SRCPARAM VOL55              1.0     5.000    26.719     1.400
    SRCPARAM VOL56              1.0     5.000    26.719     1.400
    URBANSRC ALL
    SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
    INCLUDED "16285 Ops LST Ph2.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
    SURFFILE KCNO_V11_trimmed.sfc
    PROFFILE KCNO_V11_trimmed.PFL
    SURFDATA 3179 2017
    UAIRDATA 3190 2017
    PROFBASE 191.07 METERS
ME FINISHED
**
****************************************
```

```
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "16285 OPS LST PH2.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "16285 OPS LST PH2.AD\08H1GALL.PLT" 32
   PLOTFILE 24 ALL 1ST "16285 OPS LST PH2.AD\24H1GALL.PLT" 33
   SUMMFILE "16285 Ops LST Ph2.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     194       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187     194       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET

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

FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:34:05

                               PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  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    66 Source(s),
```

```
257           for Total of    1 Urban Area(s):
258       Urban Population =   2195611.0 ;  Urban Roughness Length =  1.000 m
259          * Urban Roughness Length of 1.0 Meter Used.
260          * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
261          * CCVR_Sub - Meteorological data includes CCVR substitutions
262          * TEMP_Sub - Meteorological data includes TEMP substitutions
263          * Model Accepts FLAGPOLE Receptor . Heights.
264          * The User Specified a Pollutant Type of: OTHER
265
266    **Model Calculates  3 Short Term Average(s) of:   1-HR   8-HR  24-HR
267
268    **This Run Includes:     66 Source(s);       1 Source Group(s); and     112 Receptor(s)
269
270                    with:      0 POINT(s), including
271                               0 POINTCAP(s) and      0 POINTHOR(s)
272                     and:     66 VOLUME source(s)
273                     and:      0 AREA type source(s)
274                     and:      0 LINE source(s)
275                     and:      0 RLINE/RLINEXT source(s)
276                     and:      0 OPENPIT source(s)
277                     and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
278                     and:      0 SWPOINT source(s)
279
280
281    **Model Set To Continue RUNning After the Setup Testing.
282
283    **The AERMET Input Meteorological Data Version Date:  22112
284
285    **Output Options Selected:
286             Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
                Keyword)
287             Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
288             Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
289
290    **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
291                                                                    m for Missing Hours
292                                                                    b for Both Calm and
                                                                       Missing Hours
293
294    **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   191.07 ;  Decay Coef.
       =    0.000     ;  Rot. Angle =     0.0
295                     Emission Units = GRAMS/SEC                                ;  Emission
                        Rate Unit Factor =   0.10000E+07
296                     Output Units   = MICROGRAMS/M**3
297
298    **Approximate Storage Requirements of Model =      3.6 MB of RAM.
299
300    **Input Runstream File:
       aermod.inp

301    **Output Print File:
       aermod.out

302
303    **Detailed Error/Message File:   16285 Ops LST
       Ph2.err
304    **File for Summary of Results:   16285 Ops LST
       Ph2.sum
305    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
306    *** AERMET - VERSION  22112 ***
       ***                                                                  ***
       13:34:05
307
                                  PAGE   2
308    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER INIT. PART.	URBAN SOURCE	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	AIRCRAFT ELEV. (METERS)	BASE HEIGHT (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	SZ
VOL1	0		0.10000E+01	442724.9	3761568.3	208.4	5.00	26.72	1.40	YES
			NO							
VOL2	0		0.10000E+01	442725.1	3761339.5	206.2	5.00	26.72	1.40	YES
			NO							
VOL3	0		0.10000E+01	442726.8	3761455.1	207.8	5.00	26.72	1.40	YES
			NO							
VOL4	0		0.10000E+01	442064.1	3761569.2	208.5	5.00	26.72	1.40	YES
			NO							
VOL5	0		0.10000E+01	442065.5	3761456.4	207.3	5.00	26.72	1.40	YES
			NO							
VOL6	0		0.10000E+01	442064.1	3761340.4	206.9	5.00	26.72	1.40	YES
			NO							
VOL7	0		0.10000E+01	442181.5	3761339.5	206.6	5.00	26.72	1.40	YES
			NO							
VOL8	0		0.10000E+01	442297.3	3761338.7	206.2	5.00	26.72	1.40	YES
			NO							
VOL9	0		0.10000E+01	442413.9	3761339.5	207.1	5.00	26.72	1.40	YES
			NO							
VOL10	0		0.10000E+01	442531.3	3761339.5	207.1	5.00	26.72	1.40	YES
			NO							
VOL11	0		0.10000E+01	442645.4	3761340.4	206.7	5.00	26.72	1.40	YES
			NO							
VOL12	0		0.10000E+01	442608.8	3761568.7	208.8	5.00	26.72	1.40	YES
			NO							
VOL13	0		0.10000E+01	442493.1	3761569.3	208.6	5.00	26.72	1.40	YES
			NO							
VOL14	0		0.10000E+01	442378.6	3761569.9	207.4	5.00	26.72	1.40	YES
			NO							
VOL15	0		0.10000E+01	442270.2	3761567.5	208.2	5.00	26.72	1.40	YES
			NO							
VOL16	0		0.10000E+01	442179.6	3761568.6	208.5	5.00	26.72	1.40	YES
			NO							
VOL17	0		0.10000E+01	442182.1	3761455.1	207.2	5.00	26.72	1.40	YES
			NO							
VOL18	0		0.10000E+01	442297.3	3761452.9	207.0	5.00	26.72	1.40	YES
			NO							
VOL19	0		0.10000E+01	442414.2	3761454.6	207.8	5.00	26.72	1.40	YES
			NO							
VOL20	0		0.10000E+01	442515.9	3761453.9	207.7	5.00	26.72	1.40	YES
			NO							
VOL21	0		0.10000E+01	442623.1	3761453.4	207.6	5.00	26.72	1.40	YES
			NO							
VOL22	0		0.10000E+01	442724.6	3761682.4	209.9	5.00	26.72	1.40	YES
			NO							
VOL23	0		0.10000E+01	442608.4	3761682.8	209.6	5.00	26.72	1.40	YES
			NO							
VOL24	0		0.10000E+01	442492.8	3761683.4	209.4	5.00	26.72	1.40	YES
			NO							
VOL25	0		0.10000E+01	442378.3	3761684.0	209.1	5.00	26.72	1.40	YES
			NO							
VOL26	0		0.10000E+01	442269.8	3761681.6	208.0	5.00	26.72	1.40	YES
			NO							
VOL27	0		0.10000E+01	442179.3	3761682.8	208.8	5.00	26.72		

```
      1.40     YES                    NO
345   VOL28            0   0.10000E+01  442063.7 3761683.3   208.5     5.00    26.72
      1.40     YES                    NO
346   VOL29            0   0.10000E+01  442723.9 3761764.0   210.5     5.00    26.72
      1.40     YES                    NO
347   VOL30            0   0.10000E+01  442608.4 3761765.5   210.2     5.00    26.72
      1.40     YES                    NO
348   VOL31            0   0.10000E+01  442494.0 3761764.9   209.8     5.00    26.72
      1.40     YES                    NO
349   VOL32            0   0.10000E+01  442377.7 3761762.5   209.3     5.00    26.72
      1.40     YES                    NO
350   VOL50            0   0.10000E+01  441946.5 3761568.3   207.6     5.00    26.72
      1.40     YES                    NO
351   VOL57            0   0.10000E+01  441831.9 3761567.9   206.4     5.00    26.72
      1.40     YES                    NO
352   VOL58            0   0.10000E+01  441719.1 3761570.4   206.3     5.00    26.72
      1.40     YES                    NO
353   VOL59            0   0.10000E+01  441605.1 3761567.6   206.4     5.00    26.72
      1.40     YES                    NO
354   VOL60            0   0.10000E+01  441489.2 3761568.7   206.7     5.00    26.72
      1.40     YES                    NO
355   VOL61            0   0.10000E+01  441372.1 3761570.9   206.4     5.00    26.72
      1.40     YES                    NO
356   VOL62            0   0.10000E+01  441256.1 3761572.0   206.6     5.00    26.72
      1.40     YES                    NO
357   VOL63            0   0.10000E+01  441256.1 3761340.1   204.8     5.00    26.72
      1.40     YES                    NO
358   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
359    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:34:05
360
                                  PAGE   3
361   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
362
363
364                                                  *** VOLUME SOURCE DATA ***
365
366                 NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
                    INIT.   URBAN  EMISSION RATE   AIRCRAFT
367     SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
        SZ     SOURCE  SCALAR VARY
368       ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
          (METERS)              BY
369   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - -
370
371   VOL64            0   0.10000E+01  441371.0 3761339.1   205.1     5.00    26.72
      1.40     YES                    NO
372   VOL65            0   0.10000E+01  441485.9 3761340.1   202.9     5.00    26.72
      1.40     YES                    NO
373   VOL66            0   0.10000E+01  441600.8 3761335.8   205.5     5.00    26.72
      1.40     YES                    NO
374   VOL33            0   0.10000E+01  441715.7 3761339.1   205.3     5.00    26.72
      1.40     YES                    NO
375   VOL34            0   0.10000E+01  441829.5 3761340.1   205.7     5.00    26.72
      1.40     YES                    NO
376   VOL35            0   0.10000E+01  441946.6 3761340.1   206.2     5.00    26.72
      1.40     YES                    NO
377   VOL36            0   0.10000E+01  441946.9 3761454.9   208.0     5.00    26.72
      1.40     YES                    NO
378   VOL37            0   0.10000E+01  441831.4 3761454.3   207.9     5.00    26.72
      1.40     YES                    NO
379   VOL38            0   0.10000E+01  441716.1 3761453.9   207.4     5.00    26.72
      1.40     YES                    NO
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380   VOL39            0   0.10000E+01  441602.7 3761452.3   206.6     5.00    26.72
      1.40     YES                    NO
381   VOL40            0   0.10000E+01  441489.0 3761456.1   205.8     5.00    26.72
      1.40     YES                    NO
382   VOL41            0   0.10000E+01  441373.8 3761454.7   206.5     5.00    26.72
      1.40     YES                    NO
383   VOL42            0   0.10000E+01  441257.6 3761455.4   206.7     5.00    26.72
      1.40     YES                    NO
384   VOL43            0   0.10000E+01  441945.1 3761683.2   208.6     5.00    26.72
      1.40     YES                    NO
385   VOL44            0   0.10000E+01  441830.5 3761682.8   208.5     5.00    26.72
      1.40     YES                    NO
386   VOL45            0   0.10000E+01  441717.8 3761685.2   207.4     5.00    26.72
      1.40     YES                    NO
387   VOL46            0   0.10000E+01  441603.8 3761682.5   208.3     5.00    26.72
      1.40     YES                    NO
388   VOL47            0   0.10000E+01  441487.8 3761683.6   207.6     5.00    26.72
      1.40     YES                    NO
389   VOL48            0   0.10000E+01  441370.7 3761685.7   207.4     5.00    26.72
      1.40     YES                    NO
390   VOL49            0   0.10000E+01  441254.7 3761686.8   208.0     5.00    26.72
      1.40     YES                    NO
391   VOL51            0   0.10000E+01  441825.1 3761753.8   209.2     5.00    26.72
      1.40     YES                    NO
392   VOL52            0   0.10000E+01  441709.4 3761756.3   208.4     5.00    26.72
      1.40     YES                    NO
393   VOL53            0   0.10000E+01  441595.3 3761753.5   208.7     5.00    26.72
      1.40     YES                    NO
394   VOL54            0   0.10000E+01  441479.4 3761754.6   207.9     5.00    26.72
      1.40     YES                    NO
395   VOL55            0   0.10000E+01  441362.3 3761756.8   208.0     5.00    26.72
      1.40     YES                    NO
396   VOL56            0   0.10000E+01  441246.3 3761757.9   208.2     5.00    26.72
      1.40     YES                    NO
397   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
398    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:34:05
399
                                  PAGE   4
400    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
401
402
403                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
404
405    SRCGROUP ID                                          SOURCE IDs
406    -----------                                          ----------
407
408
409     ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
       VOL6        , VOL7        , VOL8        ,
410
411                VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
                   VOL14       , VOL15       , VOL16       ,
412
413                VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
                   VOL22       , VOL23       , VOL24       ,
414
415                VOL25       , VOL26       , VOL27       , VOL28       , VOL29       ,
                   VOL30       , VOL31       , VOL32       ,
416
417                VOL50       , VOL57       , VOL58       , VOL59       , VOL60       ,
                   VOL61       , VOL62       , VOL63       ,
418
419                VOL64       , VOL65       , VOL66       , VOL33       , VOL34       ,
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                VOL35       , VOL36       , VOL37       ,
420
421             VOL38       , VOL39       , VOL40       , VOL41       , VOL42       ,
                VOL43       , VOL44       , VOL45       ,
422
423             VOL46       , VOL47       , VOL48       , VOL49       , VOL51       ,
                VOL52       , VOL53       , VOL54       ,
424
425             VOL55       , VOL56       ,
426 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
    Eucalyptus BP\16285 Ops H ***        12/18/25
427  *** AERMET - VERSION  22112 ***
     ***                                                                    ***
     13:34:05
428
                                PAGE   5
429  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
430
431
432                                      *** SOURCE IDs DEFINED AS URBAN SOURCES ***
433
434   URBAN ID   URBAN POP                                    SOURCE IDs
435   --------   ---------                                    ----------
436
437
438             2195611.   VOL1        , VOL2        , VOL3        , VOL4        ,
                VOL5        , VOL6        , VOL7        ,
439  VOL8       ,
440
441             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
                VOL14       , VOL15       , VOL16       ,
442
443             VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
                VOL22       , VOL23       , VOL24       ,
444
445             VOL25       , VOL26       , VOL27       , VOL28       , VOL29       ,
                VOL30       , VOL31       , VOL32       ,
446
447             VOL50       , VOL57       , VOL58       , VOL59       , VOL60       ,
                VOL61       , VOL62       , VOL63       ,
448
449             VOL64       , VOL65       , VOL66       , VOL33       , VOL34       ,
                VOL35       , VOL36       , VOL37       ,
450
451             VOL38       , VOL39       , VOL40       , VOL41       , VOL42       ,
                VOL43       , VOL44       , VOL45       ,
452
453             VOL46       , VOL47       , VOL48       , VOL49       , VOL51       ,
                VOL52       , VOL53       , VOL54       ,
454
455             VOL55       , VOL56       ,
456 FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
    Eucalyptus BP\16285 Ops H ***        12/18/25
457  *** AERMET - VERSION  22112 ***
     ***                                                                    ***
     13:34:05
458
                                PAGE   6
459  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
460
461                                        *** DISCRETE CARTESIAN RECEPTORS ***
462                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
463                                                (METERS)
464
465      ( 441160.1, 3761626.8,     207.1,     207.1,       2.0);         ( 441165.2,
         3761603.4,     206.9,     206.9,       2.0);
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466         ( 440769.5, 3761316.4,     204.2,     204.2,       2.0);         ( 440885.1,
            3761233.7,     203.9,     203.9,       2.0);
467         ( 440943.0, 3761237.4,     204.1,     204.1,       2.0);         ( 440769.6,
            3761295.0,     204.0,     204.0,       2.0);
468         ( 441264.8, 3761237.8,     204.2,     204.2,       2.0);         ( 441396.4,
            3761228.1,     204.2,     204.2,       2.0);
469         ( 441633.9, 3761229.5,     205.0,     205.0,       2.0);         ( 441839.4,
            3761231.3,     205.3,     205.3,       2.0);
470         ( 442193.3, 3761092.3,     204.6,     204.6,       2.0);         ( 442736.3,
            3761091.7,     204.8,     204.8,       2.0);
471         ( 442867.1, 3761089.4,     204.8,     204.8,       2.0);         ( 443107.8,
            3761253.3,     207.5,     207.5,       2.0);
472         ( 443327.7, 3761050.9,     207.4,     207.4,       2.0);         ( 441881.3,
            3762001.4,     211.9,     211.9,       2.0);
473         ( 440583.1, 3761320.9,     204.2,     204.2,       2.0);         ( 440579.8,
            3761299.8,     204.0,     204.0,       2.0);
474         ( 440431.9, 3761496.3,     205.5,     205.5,       2.0);         ( 440335.2,
            3761292.1,     203.4,     203.4,       2.0);
475         ( 440356.1, 3761232.2,     203.0,     203.0,       2.0);         ( 439969.5,
            3761230.1,     201.8,     201.8,       2.0);
476         ( 439868.6, 3761297.1,     202.8,     202.8,       2.0);         ( 439865.3,
            3761245.2,     202.3,     202.3,       2.0);
477         ( 440229.8, 3761288.7,     203.2,     203.2,       2.0);         ( 439957.8,
            3761363.2,     203.3,     203.3,       2.0);
478         ( 439870.7, 3761572.0,     205.6,     205.6,       2.0);         ( 439930.6,
            3761556.5,     205.6,     205.6,       2.0);
479         ( 439870.7, 3761839.4,     207.7,     207.7,       2.0);         ( 439924.7,
            3761957.0,     209.3,     209.3,       2.0);
480         ( 439924.3, 3762099.7,     210.4,     210.4,       2.0);         ( 439863.6,
            3762112.3,     210.4,     210.4,       2.0);
481         ( 439873.3, 3762554.9,     215.7,     215.7,       2.0);         ( 439874.8,
            3762661.3,     217.0,     217.0,       2.0);
482         ( 439927.5, 3762571.1,     216.2,     216.2,       2.0);         ( 439942.6,
            3762649.5,     217.4,     217.4,       2.0);
483         ( 439874.2, 3763087.6,     222.5,    2697.3,       2.0);         ( 439872.6,
            3763272.5,     224.9,    2697.3,       2.0);
484         ( 439876.3, 3763332.4,     225.7,    2697.3,       2.0);         ( 439874.2,
            3763445.8,     226.7,    2697.3,       2.0);
485         ( 439861.7, 3763702.3,     228.8,    2697.3,       2.0);         ( 439875.1,
            3763945.4,     231.1,    2697.3,       2.0);
486         ( 440074.3, 3763727.0,     229.9,    2697.3,       2.0);         ( 439872.6,
            3764008.2,     231.9,    2697.3,       2.0);
487         ( 439873.8, 3764196.5,     234.9,    2697.3,       2.0);         ( 439945.0,
            3764712.1,     241.3,    2697.3,       2.0);
488         ( 439880.1, 3764775.7,     242.4,    2697.3,       2.0);         ( 439880.5,
            3764900.8,     244.2,    2697.3,       2.0);
489         ( 439945.0, 3764933.9,     244.6,    2697.3,       2.0);         ( 439951.2,
            3765049.8,     246.2,    2697.3,       2.0);
490         ( 439880.1, 3765027.6,     245.7,    2697.3,       2.0);         ( 439951.7,
            3765276.2,     249.0,    2697.3,       2.0);
491         ( 439875.5, 3765270.8,     248.0,    2697.3,       2.0);         ( 439874.5,
            3765815.9,     254.7,    2697.3,       2.0);
492         ( 440004.8, 3765814.7,     255.3,    2697.3,       2.0);         ( 439865.4,
            3760870.3,     198.7,     198.7,       2.0);
493         ( 439781.4, 3760421.5,     193.4,     193.4,       2.0);         ( 439860.5,
            3760191.1,     191.6,     191.6,       2.0);
494         ( 439923.1, 3757937.3,     174.7,     174.7,       2.0);         ( 438973.4,
            3754580.5,     178.9,     369.3,       2.0);
495         ( 439631.1, 3762694.5,     217.3,     217.3,       2.0);         ( 442816.7,
            3761641.1,     208.8,     208.8,       2.0);
496         ( 442840.5, 3762023.1,     212.1,     212.1,       2.0);         ( 442844.8,
            3762050.7,     212.6,     212.6,       2.0);
497         ( 443047.8, 3762051.3,     212.7,     212.7,       2.0);         ( 443029.0,
            3762020.3,     212.2,     212.2,       2.0);
498         ( 443122.6, 3762052.8,     212.8,     212.8,       2.0);         ( 443438.8,
            3762060.8,     214.3,     214.3,       2.0);
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499        ( 443421.5, 3762034.5,     213.9,     213.9,       2.0);         ( 443872.9,
           3762120.0,     216.1,     216.1,       2.0);
500        ( 444355.8, 3762116.9,     217.5,     217.5,       2.0);         ( 445022.6,
           3761786.0,     213.6,     213.6,       2.0);
501        ( 445316.7, 3762043.1,     217.2,     217.2,       2.0);         ( 445303.9,
           3761970.2,     216.4,     216.4,       2.0);
502        ( 445607.2, 3762043.1,     218.4,     218.4,       2.0);         ( 445882.1,
           3762042.1,     218.6,     218.6,       2.0);
503        ( 446067.7, 3761982.5,     218.7,     218.7,       2.0);         ( 446058.9,
           3762058.3,     219.7,     219.7,       2.0);
504        ( 446255.2, 3762062.1,     219.9,     219.9,       2.0);         ( 446484.2,
           3762227.1,     221.2,     221.2,       2.0);
505        ( 446439.9, 3762290.6,     222.0,    2697.3,       2.0);         ( 446749.2,
           3762427.5,     224.0,    2697.3,       2.0);
506        ( 446844.3, 3762432.2,     222.5,    2697.3,       2.0);         ( 447224.7,
           3762429.5,     223.9,    2697.3,       2.0);
507        ( 447272.4, 3762441.7,     223.6,    2697.3,       2.0);         ( 446893.4,
           3762355.1,     222.3,    2697.3,       2.0);
508        ( 447657.6, 3762177.9,     222.7,     222.7,       2.0);         ( 439164.0,
           3762679.5,     215.5,     215.5,       2.0);
509        ( 442309.7, 3758691.6,     188.5,     188.5,       2.0);         ( 441607.6,
           3758831.7,     186.8,     186.8,       2.0);
510    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
511     *** AERMET - VERSION  22112 ***
        ***                                                                        ***
        13:34:05
512
                                  PAGE   7
513     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
514
515                                            *** DISCRETE CARTESIAN RECEPTORS ***
516                                          (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
517                                                       (METERS)
518
519        ( 442346.3, 3758837.4,     190.3,     190.3,       2.0);         ( 442782.9,
           3758835.7,     190.9,     190.9,       2.0);
520        ( 443526.5, 3758833.3,     191.7,     191.7,       2.0);         ( 441007.8,
           3758832.8,     184.8,     184.8,       2.0);
521        ( 442733.1, 3762008.7,     212.4,     212.4,       2.0);         ( 442555.0,
           3762014.4,     212.8,     212.8,       2.0);
522        ( 442372.4, 3762032.7,     213.0,     213.0,       2.0);         ( 442471.3,
           3762020.1,     214.1,     214.1,       2.0);
523        ( 442309.0, 3762003.2,     212.4,     212.4,       2.0);         ( 442267.2,
           3762011.9,     212.5,     212.5,       2.0);
524        ( 442157.9, 3762010.7,     211.7,     211.7,       2.0);         ( 442023.5,
           3762012.6,     211.7,     211.7,       2.0);
525        ( 441918.4, 3762014.9,     211.7,     211.7,       2.0);         ( 441564.9,
           3762038.2,     210.7,     210.7,       2.0);
526        ( 441257.3, 3761984.8,     210.4,     210.4,       2.0);         ( 441170.8,
           3762020.0,     210.5,     210.5,       2.0);
527        ( 440928.2, 3762012.3,     211.3,     211.3,       2.0);         ( 440604.7,
           3762011.0,     210.7,     210.7,       2.0);
528        ( 440672.3, 3761517.5,     205.9,     205.9,       2.0);         ( 441025.9,
           3761624.9,     206.9,     206.9,       2.0);
529        ( 441172.2, 3761390.4,     205.1,     205.1,       2.0);         ( 441225.7,
           3761841.8,     208.9,     208.9,       2.0);
530    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
531     *** AERMET - VERSION  22112 ***
        ***                                                                        ***
        13:34:05
532
                                  PAGE   8
533     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
534
```

```
                                             *** METEOROLOGICAL DAYS SELECTED FOR
                                             PROCESSING ***
                                                                (1=YES; 0=NO)

              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
              1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
              1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
              1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
              1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
              1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
              1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1
              1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

                  NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT
                  IS INCLUDED IN THE DATA FILE.



                                             *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
                                             CATEGORIES ***
                                                                (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,  10.80,
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 13:34:05

                             PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                      *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA
                                      ***

   Surface file:
   KCNO_V11_trimmed.sfc
   Met Version:  22112
   Profile file:
   KCNO_V11_trimmed.PFL
   Surface format:
   FREE

   Profile format:
   FREE

   Surface station no.:     3179                  Upper air station no.:     3190
                  Name: UNKNOWN                                     Name:
                  UNKNOWN
                  Year:   2017                                      Year:   2017

 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
 17 01 01   1 01  -17.3  0.174 -9.000 -9.000 -999.  175.     33.5  0.02   0.54   1.00
 2.86  261.    7.9  279.2    2.0
 17 01 01   1 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.05   0.54   1.00
```

```
      0.00    0.    7.9  279.2    2.0
575   17 01 01   1 03  -18.3  0.185 -9.000 -9.000 -999.  191.     37.7  0.11   0.54   1.00
      2.09  340.    7.9  279.2    2.0
576   17 01 01   1 04   -5.5  0.091 -9.000 -9.000 -999.   70.     12.0  0.02   0.54   1.00
      1.52   89.    7.9  279.2    2.0
577   17 01 01   1 05  -12.5  0.150 -9.000 -9.000 -999.  139.     24.7  0.14   0.54   1.00
      1.62   13.    7.9  277.5    2.0
578   17 01 01   1 06   -9.0  0.126 -9.000 -9.000 -999.  107.     19.4  0.12   0.54   1.00
      1.43  317.    7.9  277.5    2.0
579   17 01 01   1 07   -3.0  0.067 -9.000 -9.000 -999.   43.      9.0  0.02   0.54   1.00
      1.13  255.    7.9  277.0    2.0
580   17 01 01   1 08   -5.8  0.097 -9.000 -9.000 -999.   73.     14.0  0.02   0.54   0.53
      1.60   93.    7.9  277.5    2.0
581   17 01 01   1 09   22.2  0.091  0.366  0.005   78.   66.     -3.0  0.02   0.54   0.31
      0.97   35.    7.9  280.3    2.0
582   17 01 01   1 10   54.8  0.172  0.954  0.005  559.  172.     -8.2  0.02   0.54   0.24
      2.11   70.    7.9  283.8    2.0
583   17 01 01   1 11   76.8  0.224  1.251  0.005  899.  254.    -12.9  0.02   0.54   0.21
      2.83   99.    7.9  285.9    2.0
584   17 01 01   1 12   73.6  0.126  1.297  0.005 1045.  111.     -2.4  0.02   0.54   0.20
      1.31  107.    7.9  285.9    2.0
585   17 01 01   1 13   86.2  0.147  1.404  0.005 1133.  135.     -3.3  0.02   0.54   0.20
      1.60  234.    7.9  286.4    2.0
586   17 01 01   1 14   62.5  0.198  1.284  0.005 1194.  211.    -10.9  0.02   0.54   0.21
      2.49  291.    7.9  288.1    2.0
587   17 01 01   1 15   42.3  0.319  1.138  0.005 1231.  433.    -67.8  0.02   0.54   0.25
      4.65  247.    7.9  286.4    2.0
588   17 01 01   1 16    1.0  0.222  0.331  0.005 1232.  256.   -941.4  0.02   0.54   0.34
      3.40  241.    7.9  286.4    2.0
589   17 01 01   1 17  -14.2  0.170 -9.000 -9.000 -999.  170.     31.9  0.02   0.54   0.61
      2.69  233.    7.9  285.9    2.0
590   17 01 01   1 18  -16.2  0.167 -9.000 -9.000 -999.  164.     30.6  0.02   0.54   1.00
      2.74  250.    7.9  285.3    2.0
591   17 01 01   1 19  -25.0  0.257 -9.000 -9.000 -999.  312.     72.6  0.02   0.54   1.00
      4.14  243.    7.9  284.8    2.0
592   17 01 01   1 20  -22.6  0.232 -9.000 -9.000 -999.  269.     59.3  0.02   0.54   1.00
      3.63  226.    7.9  284.8    2.0
593   17 01 01   1 21  -14.9  0.156 -9.000 -9.000 -999.  149.     26.7  0.03   0.54   1.00
      2.28  151.    7.9  284.2    2.0
594   17 01 01   1 22  -15.7  0.169 -9.000 -9.000 -999.  167.     31.5  0.14   0.54   1.00
      1.81   14.    7.9  283.8    2.0
595   17 01 01   1 23   -7.9  0.117 -9.000 -9.000 -999.   97.     18.1  0.11   0.54   1.00
      1.37  358.    7.9  283.8    2.0
596   17 01 01   1 24   -7.7  0.108 -9.000 -9.000 -999.   85.     14.6  0.02   0.54   1.00
      1.77   94.    7.9  282.5    2.0
597
598
599   First hour of profile data
600   YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
601   17 01 01 01    7.9 1  261.    2.86   279.3   99.0  -99.00  -99.00
602
603   F indicates top of profile (=1) or below (=0)
604   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
605   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      13:34:05
606
                                PAGE  10
607   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
608
609                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
610                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
611                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
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VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
441160.11	3761626.78	1966.15270	(22121719)	441165.19	3761603.44	2066.63894	(22121719)
440769.54	3761316.44	1104.14885	(21012919)	440885.08	3761233.72	1183.82202	(21010918)
440942.99	3761237.37	1259.44300	(21010918)	440769.57	3761294.98	1096.70833	(21012919)
441264.79	3761237.83	1569.02892	(21022120)	441396.39	3761228.15	1532.51152	(23120521)
441633.90	3761229.53	1551.76105	(22021021)	441839.43	3761231.28	1498.74744	(22021021)
442193.26	3761092.32	966.65240	(18011724)	442736.29	3761091.73	1036.53213	(18122019)
442867.08	3761089.40	1031.34704	(18122019)	443107.85	3761253.32	1232.38256	(18021420)
443327.70	3761050.95	839.50439	(17121621)	441881.29	3762001.44	1213.46386	(22011902)
440583.15	3761320.92	944.75825	(21012320)	440579.83	3761299.75	929.33250	(21012320)
440431.88	3761496.28	867.09682	(18021304)	440335.22	3761292.06	779.05731	(21012320)
440356.14	3761232.22	770.40944	(21012919)	439969.47	3761230.13	608.46655	(21012320)
439868.62	3761297.08	585.51281	(22011121)	439865.27	3761245.19	576.67065	(21012320)
440229.76	3761288.71	725.85704	(21012320)	439957.76	3761363.20	628.97248	(22011121)
439870.71	3761572.02	588.77048	(23121801)	439930.56	3761556.53	610.29429	(18120606)
439870.71	3761839.42	577.91328	(21010804)	439924.70	3761957.01	596.90101	(23121718)
439924.28	3762099.71	637.52915	(17122819)	439863.60	3762112.26	625.82083	(17122819)
439873.26	3762554.88	647.48028	(23122001)	439874.80	3762661.28	634.12908	(18010720)
439927.48	3762571.08	657.24014	(18010720)	439942.64	3762649.46	646.94083	(18010720)
439874.24	3763087.57	500.69671	(18010219)	439872.56	3763272.54	464.49351	(21122302)
439876.33	3763332.38	454.18123	(18021507)	439874.24	3763445.79	435.40584	(22122722)
439861.68	3763702.32	396.50722	(22121520)	439875.08	3763945.45	371.18967	(18120918)
440074.27	3763727.01	395.35461	(18120918)	439872.56	3764008.22	363.57468	(18120918)
439873.82	3764196.54	347.87641	(22123008)	439944.96	3764712.10	302.30420	(17122618)
439880.10	3764775.71	296.64300	(17122618)	439880.52	3764900.83	290.19063	(17122618)
439944.96	3764933.89	286.47920	(17122618)	439951.24	3765049.81	276.95801	(17022107)
439880.10	3765027.63	281.30734	(17122618)	439951.66			

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            3765276.21      260.33043  (18012122)
647         439875.49   3765270.77      264.09598  (17022107)                439874.50
            3765815.86      236.32528  (23022103)
648         440004.83   3765814.70      236.07391  (23010405)                439865.36
            3760870.32      506.44996  (18010823)
649         439781.42   3760421.48      393.59142  (17012618)                439860.47
            3760191.14      348.09850  (23121823)
650         439923.10   3757937.26      161.05019  (17121123)                438973.38
            3754580.48       46.62214  (17121123)
651         439631.09   3762694.55      595.95330  (23122001)                442816.66
            3761641.08     2071.38808  (21011218)
652         442840.46   3762023.13     1181.97158  (22011824)                442844.83
            3762050.67     1136.77181  (22011824)
653         443047.82   3762051.32     1179.25915  (21011718)                443029.03
            3762020.29     1209.62114  (21011718)
654         443122.56   3762052.85     1162.03669  (21011718)                443438.77
            3762060.83     1086.56642  (21123017)
655         443421.50   3762034.46     1120.71862  (21122221)                443872.88
            3762119.96      903.98710  (23121318)
656         444355.79   3762116.93      772.91304  (17020923)                445022.64
            3761785.97      574.27221  (22011804)
657         445316.67   3762043.06      547.37096  (17011223)                445303.86
            3761970.17      548.63835  (22122219)
658         445607.24   3762043.06      517.61575  (17011223)                445882.06
            3762042.08      476.09961  (22122219)
659         446067.74   3761982.48      450.27828  (21120408)                446058.87
            3762058.33      462.00748  (22122219)
660         446255.23   3762062.11      439.68810  (22122219)                446484.25
            3762227.10      413.99876  (17011223)
661   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
    Eucalyptus BP\16285 Ops H ***        12/18/25
662    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:34:05
663
                                PAGE  11
664    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
665
666                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
667                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
668                    VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                       VOL11       , VOL12       , VOL13       ,
669                    VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                       VOL19       , VOL20       , VOL21       ,
670                    VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                       VOL27       , VOL28       ,  . . .      ,
671
672                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***
673
674                                   ** CONC OF OTHER    IN
                                      MICROGRAMS/M**3                          **
675
676         X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
677    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - - - - - -
678         446439.92   3762290.63      422.31882  (22011622)                446749.22
            3762427.55      398.96376  (23011319)
679         446844.30   3762432.18      378.74355  (22011622)                447224.68
            3762429.46      356.32316  (22011622)
680         447272.39   3762441.73      350.82051  (22011622)                446893.38
            3762355.15      375.95007  (22011622)
681         447657.60   3762177.92      326.03771  (21120408)                439164.02
            3762679.50      516.19706  (22121717)
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682          442309.67   3758691.58      105.19454  (21011702)                441607.59
             3758831.67        99.15436  (22021219)
683          442346.32   3758837.37      110.67834  (21011702)                442782.88
             3758835.74       108.12832  (21121222)
684          443526.49   3758833.30      104.02372  (22022824)                441007.77
             3758832.80       164.95340  (17121123)
685          442733.11   3762008.67     1216.27305  (17122817)                442555.03
             3762014.43      1158.38168  (22011902)
686          442372.42   3762032.69     1033.70475  (18120917)                442471.33
             3762020.14      1082.18245  (22012918)
687          442309.05   3762003.23     1096.45189  (17021105)                442267.23
             3762011.88      1092.18994  (17021105)
688          442157.88   3762010.71     1097.16022  (22021123)                442023.53
             3762012.58      1161.46948  (23121817)
689          441918.37   3762014.94     1181.63640  (17010501)                441564.90
             3762038.22       986.66103  (18121917)
690          441257.28   3761984.82     1147.86539  (22021201)                441170.84
             3762020.05      1076.53780  (22021201)
691          440928.18   3762012.31     1243.10317  (22021201)                440604.66
             3762010.98       986.67066  (18010320)
692          440672.33   3761517.55     1058.15459  (18021304)                441025.88
             3761624.94      1586.28692  (22121719)
693          441172.19   3761390.40     1956.07210  (17010617)                441225.70
             3761841.77      1801.49230  (18010320)
694  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
695   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      13:34:05
696
                                  PAGE  12
697   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
698
699                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
700                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
701                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                    VOL11       , VOL12       , VOL13       ,
702                 VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                    VOL19       , VOL20       , VOL21       ,
703                 VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                    VOL27       , VOL28       ,  . . .      ,
704
705                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
706
707                                     ** CONC OF OTHER    IN
                                        MICROGRAMS/M**3                          **
708
709          X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
             Y-COORD (M)        CONC     (YYMMDDHH)
710   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - - - -
711          441160.11   3761626.78     1457.19217  (22121724)                441165.19
             3761603.44      1506.49235  (22121724)
712          440769.54   3761316.44      671.30928c (23013008)                440885.08
             3761233.72       729.55727  (17022008)
713          440942.99   3761237.37      803.22667  (17022008)                440769.57
             3761294.98       648.85718c (23013008)
714          441264.79   3761237.83     1255.27706  (22121708)                441396.39
             3761228.15      1232.21092  (22121708)
715          441633.90   3761229.53     1255.64701  (17010724)                441839.43
             3761231.28      1256.29739  (17010724)
716          442193.26   3761092.32      685.06330  (17010724)                442736.29
             3761091.73       557.54422  (22012008)
717          442867.08   3761089.40      560.11217  (22082908)                443107.85
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	3761253.32	759.33190	(22010724)		
718	443327.70	3761050.95	489.42501	(17032208)	441881.29
	3762001.44	870.44797	(21120308)		
719	440583.15	3761320.92	573.51103c	(23013008)	440579.83
	3761299.75	559.10346c	(23013008)		
720	440431.88	3761496.28	487.87976c	(23013008)	440335.22
	3761292.06	465.56932c	(23013008)		
721	440356.14	3761232.22	439.27824c	(23013008)	439969.47
	3761230.13	354.34913c	(23013008)		
722	439868.62	3761297.08	343.79175c	(23013008)	439865.27
	3761245.19	338.02222c	(23013008)		
723	440229.76	3761288.71	432.89904c	(23013008)	439957.76
	3761363.20	360.86063c	(23013008)		
724	439870.71	3761572.02	283.06774	(21031108)	439930.56
	3761556.53	295.63808	(21031108)		
725	439870.71	3761839.42	310.43672c	(23031924)	439924.70
	3761957.01	276.24038c	(23031924)		
726	439924.28	3762099.71	243.48518c	(17020508)	439863.60
	3762112.26	236.19768c	(17020508)		
727	439873.26	3762554.88	231.07844	(23121908)	439874.80
	3762661.28	219.77515	(17020308)		
728	439927.48	3762571.08	227.87062	(17020308)	439942.64
	3762649.46	229.80237	(17020308)		
729	439874.24	3763087.57	183.57103	(18120524)	439872.56
	3763272.54	170.56401	(18120524)		
730	439876.33	3763332.38	163.78945	(18120524)	439874.24
	3763445.79	152.84592	(21120308)		
731	439861.68	3763702.32	140.18692	(21120308)	439875.08
	3763945.45	144.41072c	(18081308)		
732	440074.27	3763727.01	160.68490c	(18081308)	439872.56
	3764008.22	145.80591c	(18081308)		
733	439873.82	3764196.54	147.14813c	(18081308)	439944.96
	3764712.10	127.05924c	(18081308)		
734	439880.10	3764775.71	126.19189c	(18081308)	439880.52
	3764900.83	118.91655c	(18081308)		
735	439944.96	3764933.89	113.00311c	(18081308)	439951.24
	3765049.81	104.04010c	(18081308)		
736	439880.10	3765027.63	110.61461c	(18081308)	439951.66
	3765276.21	87.43570	(23032608)		
737	439875.49	3765270.77	92.78661c	(18081308)	439874.50
	3765815.86	80.02761	(23032608)		
738	440004.83	3765814.70	85.76473m	(23031108)	439865.36
	3760870.32	217.87385	(18010908)		
739	439781.42	3760421.48	207.35788	(18010908)	439860.47
	3760191.14	172.55092	(22121708)		
740	439923.10	3757937.26	67.85856	(21123008)	438973.38
	3754580.48	24.49833	(21121408)		
741	439631.09	3762694.55	199.98138	(23121908)	442816.66
	3761641.08	1553.63050	(21020824)		
742	442840.46	3762023.13	824.92554	(17021108)	442844.83
	3762050.67	804.83234	(17021108)		
743	443047.82	3762051.32	731.44713	(17021908)	443029.03
	3762020.29	762.09100	(17021908)		
744	443122.56	3762052.85	695.88698	(17021908)	443438.77
	3762060.83	554.16174	(22011824)		
745	443421.50	3762034.46	572.11542	(22011824)	443872.88
	3762119.96	426.05530	(22071108)		
746	444355.79	3762116.93	326.59555	(22071108)	445022.64
	3761785.97	246.75525	(18052008)		
747	445316.67	3762043.06	218.46497c	(18062108)	445303.86
	3761970.17	222.51976	(21041408)		
748	445607.24	3762043.06	202.40529	(21041408)	445882.06
	3762042.08	189.31869	(23070108)		
749	446067.74	3761982.48	181.22073	(23070108)	446058.87
	3762058.33	182.76476	(23070108)		
750	446255.23	3762062.11	173.96846	(23070108)	446484.25

```
          3762227.10      153.24527  (21041408)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
 13:34:05

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

                                *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                    VOL3        , VOL4        , VOL5        ,
                VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                VOL11       , VOL12       , VOL13       ,
                VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                VOL19       , VOL20       , VOL21       ,
                VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                VOL27       , VOL28       ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF OTHER    IN
                                       MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
     Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
       446439.92   3762290.63      153.30275c (18062108)               446749.22
       3762427.55      142.01281c (18101108)
       446844.30   3762432.18      134.63392c (18101108)               447224.68
       3762429.46      124.33358c (18062108)
       447272.39   3762441.73      122.36829c (18062108)               446893.38
       3762355.15      134.57285c (18062108)
       447657.60   3762177.92      126.25625  (23070108)               439164.02
       3762679.50      194.81392  (23121908)
       442309.67   3758691.58       64.26989  (23020108)               441607.59
       3758831.67       57.21110  (17012908)
       442346.32   3758837.37       70.77817  (23020108)               442782.88
       3758835.74       70.52348  (23020108)
       443526.49   3758833.30       48.88730  (23012324)               441007.77
       3758832.80       80.89838  (21121408)
       442733.11   3762008.67      937.53545  (17021108)               442555.03
       3762014.43      889.86275  (17021108)
       442372.42   3762032.69      805.00561  (21120908)               442471.33
       3762020.14      843.49183  (21120908)
       442309.05   3762003.23      838.89700  (21120908)               442267.23
       3762011.88      826.92899  (21120908)
       442157.88   3762010.71      805.58497  (17021108)               442023.53
       3762012.58      823.77003  (17021108)
       441918.37   3762014.94      829.74250  (21120308)               441564.90
       3762038.22      693.46839  (21120308)
       441257.28   3761984.82      699.50666  (23121308)               441170.84
       3762020.05      641.89685  (21111008)
       440928.18   3762012.31      650.10354  (23121308)               440604.66
       3762010.98      427.64275c (17020508)
       440672.33   3761517.55      626.14279c (23013008)               441025.88
       3761624.94     1076.86467c (23013008)
       441172.19   3761390.40     1544.36565  (17022008)               441225.70
       3761841.77     1139.43437  (23121308)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                        ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
441160.11	3761626.78	940.81541	(22121724)	441165.19	3761603.44	972.06913	(22121724)
440769.54	3761316.44	290.69506	(22121724)	440885.08	3761233.72	359.27375	(22011024)
440942.99	3761237.37	396.63903	(22011024)	440769.57	3761294.98	289.55991	(22011024)
441264.79	3761237.83	775.67766	(17010724)	441396.39	3761228.15	782.11035	(17010724)
441633.90	3761229.53	822.27002m	(21011024)	441839.43	3761231.28	859.14868m	(21011024)
442193.26	3761092.32	482.78771c	(18013024)	442736.29	3761091.73	348.70138	(22012024)
442867.08	3761089.40	308.10721	(22012024)	443107.85	3761253.32	415.66848m	(23031624)
443327.70	3761050.95	247.27885m	(23031624)	441881.29	3762001.44	492.17923	(21122824)
440583.15	3761320.92	229.62816	(23032724)	440579.83	3761299.75	224.92058	(23032724)
440431.88	3761496.28	221.59226b	(21012324)	440335.22	3761292.06	174.89972	(23032724)
440356.14	3761232.22	169.47365	(23032724)	439969.47	3761230.13	126.21393	(23032724)
439868.62	3761297.08	123.95643	(18120624)	439865.27	3761245.19	118.50606	(23032724)
440229.76	3761288.71	159.11946	(23032724)	439957.76	3761363.20	138.32162	(18120624)
439870.71	3761572.02	129.00424b	(21012324)	439930.56	3761556.53	135.66653b	(21012324)
439870.71	3761839.42	136.85123b	(23031924)	439924.70	3761957.01	122.09748b	(23031924)
439924.28	3762099.71	98.63067	(18120624)	439863.60	3762112.26	94.77340	(18120624)
439873.26	3762554.88	108.03847	(21110424)	439874.80	3762661.28	102.07217	(21110424)
439927.48	3762571.08	109.72751	(21110424)	439942.64	3762649.46	104.54344	(21110424)
439874.24	3763087.57	69.78613c	(18120524)	439872.56	3763272.54	66.21211	(22090724)
439876.33	3763332.38	65.38880	(22090724)	439874.24	3763445.79	62.26652	(22090724)
439861.68	3763702.32	52.06414	(22090724)	439875.08			

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          3763945.45       43.97689  (23021524)
822       440074.27   3763727.01       51.33342  (21111024)                439872.56
          3764008.22       43.66008  (23021524)
823       439873.82   3764196.54       41.63852  (23021524)                439944.96
          3764712.10       35.16056  (23041024)
824       439880.10   3764775.71       34.70549c (18081324)                439880.52
          3764900.83       33.40778  (23041024)
825       439944.96   3764933.89       33.63467  (23041024)                439951.24
          3765049.81       33.11187  (23032624)
826       439880.10   3765027.63       32.60523  (23041024)                439951.66
          3765276.21       31.67197  (23032624)
827       439875.49   3765270.77       31.14563  (23032624)                439874.50
          3765815.86       30.12601m (23031124)
828       440004.83   3765814.70       33.49397m (23031124)                439865.36
          3760870.32      113.64856  (18122824)
829       439781.42   3760421.48       95.47819  (18010924)                439860.47
          3760191.14       86.56138  (18010924)
830       439923.10   3757937.26       35.79259  (21123024)                438973.38
          3754580.48        9.13875  (21121424)
831       439631.09   3762694.55       94.49627  (21110424)                442816.66
          3761641.08      995.61444m (21033024)
832       442840.46   3762023.13      448.61467  (21122824)                442844.83
          3762050.67      425.82281  (21122824)
833       443047.82   3762051.32      388.66092  (17110224)                443029.03
          3762020.29      411.03654  (17110224)
834       443122.56   3762052.85      379.07811  (17110224)                443438.77
          3762060.83      314.66823  (17110224)
835       443421.50   3762034.46      323.30297  (17110224)                443872.88
          3762119.96      235.85560  (23092824)
836       444355.79   3762116.93      182.51643  (23092824)                445022.64
          3761785.97      125.86988  (17081724)
837       445316.67   3762043.06      101.60419  (17081724)                445303.86
          3761970.17      110.36988  (17081724)
838       445607.24   3762043.06       96.40254  (17081724)                445882.06
          3762042.08       90.76865  (17081724)
839       446067.74   3761982.48       90.75268  (17081724)                446058.87
          3762058.33       86.79102  (17081724)
840       446255.23   3762062.11       82.89628  (17081724)                446484.25
          3762227.10       66.07715  (17081724)
841   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
842    *** AERMET - VERSION  22112 ***
       ***                                                                  ***
       13:34:05
843
                                  PAGE  15
844    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
845
846                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                   FOR SOURCE GROUP:  ALL      ***
847                                    INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                       VOL3        , VOL4        , VOL5        ,
848                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                     VOL11       , VOL12       , VOL13       ,
849                  VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                     VOL19       , VOL20       , VOL21       ,
850                  VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                     VOL27       , VOL28       ,  . . .      ,
851
852                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***
853
854                                     ** CONC OF OTHER    IN
                                        MICROGRAMS/M**3                          **
855
856          X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
             Y-COORD (M)        CONC     (YYMMDDHH)
```

- -

446439.92 3762290.63 67.00487 (17081824) 446749.22 3762427.55 60.36795 (17081824)
446844.30 3762432.18 58.51839 (17081824) 447224.68 3762429.46 55.12936 (17081824)
447272.39 3762441.73 54.26334 (17081824) 446893.38 3762355.15 59.32823 (17081824)
447657.60 3762177.92 58.79286 (17081724) 439164.02 3762679.50 69.77385 (21110424)
442309.67 3758691.58 41.80684m (21011124) 441607.59 3758831.67 35.54604m (21011124)
442346.32 3758837.37 44.91051m (21011124) 442782.88 3758835.74 41.64760m (21011124)
443526.49 3758833.30 28.18179 (23020124) 441007.77 3758832.80 35.66993 (17012924)
442733.11 3762008.67 494.54967 (21122824) 442555.03 3762014.43 483.75319 (17011124)
442372.42 3762032.69 444.97607 (17011124) 442471.33 3762020.14 476.46630 (17011124)
442309.05 3762003.23 461.82752 (17011124) 442267.23 3762011.88 448.46047 (17011124)
442157.88 3762010.71 434.66330 (17011124) 442023.53 3762012.58 453.48599 (21122824)
441918.37 3762014.94 477.41905 (21122824) 441564.90 3762038.22 416.36353 (22123024)
441257.28 3761984.82 383.46923 (23021024) 441170.84 3762020.05 347.79782 (23021024)
440928.18 3762012.31 309.74407 (23021024) 440604.66 3762010.98 185.92044 (23021024)
440672.33 3761517.55 305.01305b (21012324) 441025.88 3761624.94 597.36908b (21012324)
441172.19 3761390.40 957.32525 (22121724) 441225.70 3761841.77 699.30527 (23021024)

FF *** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/18/25
*** AERMET - VERSION 22112 *** *** *** 13:34:05

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

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL HIGH 1ST HIGH VALUE IS	2071.38808	ON 21011218:	AT (442816.66, 3761641.08, 208.80, 208.80, 2.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART

```
                     DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                                                                    ***
 13:34:05

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

                                                    *** THE SUMMARY OF HIGHEST  8-HR RESULTS ***


                                    ** CONC OF OTHER    IN MICROGRAMS/M**3                                  **


                                                                 DATE

                                                                   NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS    1553.63050  ON 21020824: AT (  442816.66, 3761641.08,   208.80,   208.80,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                                                                    ***
 13:34:05

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

                                                    *** THE SUMMARY OF HIGHEST 24-HR RESULTS ***


                                    ** CONC OF OTHER    IN MICROGRAMS/M**3                                  **


                                                                 DATE

                                                                   NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     995.61444m ON 21033024: AT (  442816.66, 3761641.08,   208.80,   208.80,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
```

```
                     DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:34:05

                                PAGE  19
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

*** Message Summary : AERMOD Model Execution ***

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

A Total of            0 Fatal Error Message(s)
A Total of          419 Warning Message(s)
A Total of         1967 Informational Message(s)

A Total of        43800 Hours Were Processed

A Total of         1244 Calm Hours Identified

A Total of          723 Missing Hours Identified (  1.65 Percent)


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


   ********   WARNING MESSAGES   ********
ME W186     194       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
used           0.50
ME W187     194       MEOPEN: ADJ_U* Option for Stable Low Winds used in
AERMET
CN W733     144         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017010624
CN W733     176         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017010808
CN W732     192         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017010824
CN W733     464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017012008
CN W733     472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017012016
CN W732     480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017012024
CN W733    1168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017021816
CN W732    1176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017021824
CN W733    1952         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032308
CN W733    1960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032316
CN W733    1976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032408
CN W733    2024         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032608
CN W733    2032         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017032616
CN W732    2040         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017032624
CN W733    8096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017120408
CN W733    8760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017123124
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 980    CN W733    9096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018011424
 981    CN W733    9120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018011524
 982    CN W732    9120         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018011524
 983    CN W733    9152         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018011708
 984    CN W732    9168         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018011724
 985    CN W733    9256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012116
 986    CN W733    9336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012424
 987    CN W733    9384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012624
 988    CN W733    9392         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012708
 989    CN W733    9400         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018012716
 990    CN W732    9408         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018012724
 991    CN W733    9472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018013016
 992    CN W733    9512         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020108
 993    CN W733    9536         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020208
 994    CN W732    9552         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020224
 995    CN W733    9624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020524
 996    CN W733    9632         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020608
 997    CN W733    9640         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020616
 998    CN W732    9648         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020624
 999    CN W733    9656         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020708
1000    CN W733    9664         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020716
1001    CN W733    9672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020724
1002    CN W732    9672         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020724
1003    CN W733    9704         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020908
1004    CN W733    9712         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018020916
1005    CN W732    9720         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018020924
1006    CN W733    9744         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021024
1007    CN W733    9752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021108
1008    CN W733    9776         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021208
1009    CN W733    9872         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021608
1010    CN W733    9880         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018021616
1011    CN W732    9888         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018021624
1012    CN W733    9992         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018022108
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1013    CN W733   10048         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018022316
1014    CN W733   10088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018022508
1015    CN W733   10208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030208
1016    CN W733   10216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030216
1017    CN W732   10224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018030224
1018    CN W733   10264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030416
1019    CN W733   10272         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030424
1020    CN W732   10272         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018030424
1021    CN W733   10280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030508
1022    CN W733   10360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018030816
1023    CN W732   10368         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018030824
1024    CN W733   10416         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018031024
1025    CN W733   10648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018032016
1026    CN W733   10800         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018032624
1027    CN W733   10856         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018032908
1028    CN W732   10872         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018032924
1029    CN W733   11056         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018040616
1030    CN W733   11552         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018042708
1031    CN W733   11712         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018050324
1032    CN W733   11720         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018050408
1033    CN W733   11960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018051408
1034    CN W733   11984         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018051508
1035    CN W733   12056         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018051808
1036    CN W733   12176         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018052308
1037    CN W733   12400         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018060116
1038    CN W733   12408         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018060124
1039    CN W732   12408         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018060124
1040    CN W733   12416         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018060208
1041    CN W733   13184         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018070408
1042    CN W733   13192         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018070416
1043    CN W733   13200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018070424
1044    CN W732   13200         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018070424
1045    CN W733   13240         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018070616
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1046    CN W733   13280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018070808
1047    CN W732   13296         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018070824
1048    CN W733   13448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018071508
1049    CN W732   13464         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018071524
1050    CN W733   13480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018071616
1051    CN W733   13664         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018072408
1052    CN W732   13680         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018072424
1053    CN W733   13688         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018072508
1054    CN W732   13704         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018072524
1055    CN W733   13760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018072808
1056    CN W733   13832         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018073108
1057    CN W733   14000         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018080708
1058    CN W733   14336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018082108
1059    CN W733   14480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018082708
1060    CN W733   14488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018082716
1061    CN W732   14496         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018082724
1062    CN W733   14784         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018090824
1063    CN W733   14960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018091608
1064    CN W732   14976         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018091624
1065    CN W733   15008         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018091808
1066    CN W733   15016         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018091816
1067    CN W732   15024         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018091824
1068    CN W733   15032         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018091908
1069    CN W733   15040         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018091916
1070    CN W732   15048         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018091924
1071    CN W733   15224         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018092708
1072    CN W733   15520         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018100916
1073    CN W733   15624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018101324
1074    CN W733   15816         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102124
1075    CN W732   15816         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018102124
1076    CN W733   15864         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102324
1077    CN W733   15872         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102408
1078    CN W733   15936         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102624
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1079    CN W733   15984         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018102824
1080    CN W733   16200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018110624
1081    CN W733   16208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018110708
1082    CN W733   16216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018110716
1083    CN W732   16224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018110724
1084    CN W733   16344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111224
1085    CN W733   16392         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111424
1086    CN W733   16480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111816
1087    CN W733   16488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111824
1088    CN W732   16488         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018111824
1089    CN W733   16496         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111908
1090    CN W733   16504         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018111916
1091    CN W732   16512         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018111924
1092    CN W733   16536         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018112024
1093    CN W733   16720         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018112816
1094    CN W733   16752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018112924
1095    CN W733   16952         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018120808
1096    CN W732   16968         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018120824
1097    CN W733   17000         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121008
1098    CN W733   17008         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121016
1099    CN W732   17016         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018121024
1100    CN W733   17104         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121416
1101    CN W733   17136         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121524
1102    CN W733   17192         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018121808
1103    CN W732   17208         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2018121824
1104    CN W733   17328         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018122324
1105    CN W733   17376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018122524
1106    CN W733   17384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2018122608
1107    MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:
        21010101
1108    MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2
        year gap
1109    CN W733   17568         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010224
1110    CN W733   17576         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010308
1111    CN W733   17616         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010424
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1112    CN W733   17624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010508
1113    CN W733   17640         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010524
1114    CN W732   17640         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021010524
1115    CN W733   17648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010608
1116    CN W733   17728         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021010916
1117    CN W732   17736         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021010924
1118    CN W733   17752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021011016
1119    CN W732   17760         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021011024
1120    CN W733   17776         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021011116
1121    CN W732   17784         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021011124
1122    CN W733   17800         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021011216
1123    CN W732   17808         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021011224
1124    CN W733   18064         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021012316
1125    CN W732   18072         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021012324
1126    CN W733   18088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021012416
1127    CN W732   18096         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021012424
1128    CN W733   18112         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021012516
1129    CN W732   18120         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021012524
1130    CN W733   18224         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013008
1131    CN W733   18232         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013016
1132    CN W733   18240         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013024
1133    CN W732   18240         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021013024
1134    CN W733   18248         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013108
1135    CN W733   18256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021013116
1136    CN W732   18264         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021013124
1137    CN W733   18408         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021020624
1138    CN W733   18416         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021020708
1139    CN W733   18840         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021022424
1140    CN W732   18840         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021022424
1141    CN W733   18848         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021022508
1142    CN W733   18976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021030216
1143    CN W733   18984         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021030224
1144    CN W732   18984         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021030224
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1145    CN W733   18992         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021030308
1146    CN W733   19264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021031416
1147    CN W732   19272         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021031424
1148    CN W733   19352         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021031808
1149    CN W733   19360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021031816
1150    CN W732   19368         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021031824
1151    CN W733   19440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021032124
1152    CN W733   19448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021032208
1153    CN W733   19648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021033016
1154    CN W732   19656         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021033024
1155    CN W733   19728         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040224
1156    CN W733   19736         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040308
1157    CN W733   19744         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040316
1158    CN W732   19752         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021040324
1159    CN W733   19760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040408
1160    CN W733   19768         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021040416
1161    CN W732   19776         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021040424
1162    CN W733   19904         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021041008
1163    CN W733   19960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021041216
1164    CN W733   20168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042108
1165    CN W733   20216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042308
1166    CN W733   20240         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042408
1167    CN W733   20264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042508
1168    CN W733   20320         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042716
1169    CN W733   20360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042908
1170    CN W733   20368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021042916
1171    CN W732   20376         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021042924
1172    CN W733   20408         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050108
1173    CN W732   20424         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021050124
1174    CN W733   20472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050324
1175    CN W733   20480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050408
1176    CN W732   20496         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021050424
1177    CN W733   20504         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050508
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1178    CN W732   20520         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021050524
1179    CN W733   20528         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021050608
1180    CN W733   21200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021060308
1181    CN W733   21208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021060316
1182    CN W732   21216         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021060324
1183    CN W733   21752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021062608
1184    CN W733   22248         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071624
1185    CN W733   22256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071708
1186    CN W733   22264         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071716
1187    CN W733   22272         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071724
1188    CN W732   22272         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021071724
1189    CN W733   22280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071808
1190    CN W733   22288         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071816
1191    CN W733   22296         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071824
1192    CN W732   22296         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021071824
1193    CN W733   22304         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021071908
1194    CN W732   22320         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021071924
1195    CN W733   22976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021081608
1196    CN W733   23368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021090116
1197    CN W732   23376         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021090124
1198    CN W733   23632         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021091216
1199    CN W733   24256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021100816
1200    CN W732   24264         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021100824
1201    CN W733   24280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021100916
1202    CN W732   24288         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021100924
1203    CN W733   25120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021111316
1204    CN W733   25160         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021111508
1205    CN W732   25176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021111524
1206    CN W733   25376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112408
1207    CN W733   25424         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112608
1208    CN W733   25432         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112616
1209    CN W733   25440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112624
1210    CN W732   25440         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021112624
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1211    CN W733   25448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112708
1212    CN W733   25456         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021112716
1213    CN W732   25464         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2021112724
1214    CN W733   25784         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2021121108
1215    CN W733   26336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022010308
1216    CN W733   26344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022010316
1217    CN W732   26352         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022010324
1218    CN W733   28040         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022031508
1219    CN W733   28048         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022031516
1220    CN W733   29488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022051416
1221    CN W732   29496         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022051424
1222    CN W733   30208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022061316
1223    CN W732   30216         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022061324
1224    CN W733   31216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022072516
1225    CN W733   31624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022081116
1226    CN W732   31632         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022081124
1227    CN W733   31880         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022082208
1228    CN W733   31888         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022082216
1229    CN W732   31896         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022082224
1230    CN W733   32320         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022090916
1231    CN W732   32328         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022090924
1232    CN W733   32336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091008
1233    CN W733   32360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091108
1234    CN W733   32384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091208
1235    CN W732   32400         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022091224
1236    CN W733   32440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091416
1237    CN W733   32504         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091708
1238    CN W733   32512         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091716
1239    CN W732   32520         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2022091724
1240    CN W733   32552         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022091908
1241    CN W733   32816         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022093008
1242    CN W733   32936         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022100508
1243    CN W733   32944         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2022100516
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CN W732   32952        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100524
CN W733   33288        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022101924
CN W733   33856        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111216
CN W732   33864        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111224
CN W733   33880        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111316
CN W732   33888        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111324
CN W733   33896        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111408
CN W733   33904        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111416
CN W732   33912        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111424
CN W733   33928        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111516
CN W732   33936        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111524
CN W733   34184        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022112608
CN W733   34360        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022120316
CN W732   34368        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022120324
CN W733   34976        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022122908
CN W733   35528        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012108
CN W733   35536        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012116
CN W732   35544        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012124
CN W733   35720        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012908
CN W732   35736        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012924
CN W733   35768        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023013108
CN W733   35904        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023020524
CN W733   36088        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021316
CN W732   36096        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021324
CN W733   36160        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021616
CN W732   36168        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021624
CN W733   36440        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023022808
CN W733   36608        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023030708
CN W732   36624        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023030724
CN W733   36688        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031016
CN W732   36696        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031024
CN W733   36712        AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031116
CN W732   36720        AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031124
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CN W733   36736         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031216
CN W732   36744         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031224
CN W733   36832         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031616
CN W732   36840         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031624
CN W733   36856         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031716
CN W733   36896         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031908
CN W733   36912         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031924
CN W732   36912         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031924
CN W733   36920         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023032008
CN W732   36936         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023032024
CN W733   37160         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033008
CN W733   37184         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033108
CN W733   37192         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033116
CN W733   37200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033124
CN W732   37200         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023033124
CN W733   37360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023040716
CN W732   37368         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023040724
CN W733   37904         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023043008
CN W733   38368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023051916
CN W732   38376         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023051924
CN W733   38824         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060716
CN W733   38840         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060808
CN W733   38968         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061316
CN W733   38984         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061408
CN W733   39016         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061516
CN W733   39040         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061616
CN W733   39056         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061708
CN W732   39072         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061724
CN W733   39080         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061808
CN W733   39104         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061908
CN W733   39128         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062008
CN W733   39136         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062016
CN W732   39144         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062024
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1310    CN W733   39152         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062108
1311    CN W733   39160         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062116
1312    CN W732   39168         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062124
1313    CN W733   39176         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062208
1314    CN W733   39200         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062308
1315    CN W733   39208         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062316
1316    CN W732   39216         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062324
1317    CN W733   39224         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062408
1318    CN W733   39232         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062416
1319    CN W732   39240         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062424
1320    CN W733   39248         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062508
1321    CN W732   39264         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062524
1322    CN W733   39272         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062608
1323    CN W732   39288         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062624
1324    CN W733   39296         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062708
1325    CN W732   39312         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062724
1326    CN W733   39344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023062908
1327    CN W732   39360         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023062924
1328    CN W733   39368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023063008
1329    CN W733   39712         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023071416
1330    CN W732   39720         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023071424
1331    CN W733   40080         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023072924
1332    CN W733   40088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023073008
1333    CN W732   40104         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023073024
1334    CN W733   40112         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023073108
1335    CN W733   40120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023073116
1336    CN W732   40128         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023073124
1337    CN W733   40136         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023080108
1338    CN W732   40152         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023080124
1339    CN W733   40624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023082116
1340    CN W733   40640         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023082208
1341    CN W733   40856         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023083108
1342    CN W733   41040         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023090724
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CN W733   41144         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023091208
CN W733   41392         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092216
CN W732   41400         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092224
CN W733   41472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092524
CN W733   41480         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092608
CN W733   41728         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100616
CN W733   41808         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100924
CN W733   41864         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101208
CN W732   41880         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101224
CN W733   41944         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101516
CN W732   41952         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101524
CN W733   42328         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023103116
CN W733   42344         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110108
CN W733   42352         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110116
CN W733   42360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110124
CN W732   42360         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110124
CN W733   42368         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110208
CN W733   42376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110216
CN W732   42384         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110224
CN W733   42400         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110316
CN W732   42408         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110324
CN W733   42424         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110416
CN W733   42432         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110424
CN W732   42432         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110424
CN W733   42440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110508
CN W733   42448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110516
CN W733   42456         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110524
CN W732   42456         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110524
CN W733   42464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110608
CN W733   42472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110616
CN W732   42480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110624
CN W733   42488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110708
CN W733   42496         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110716
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1376    CN W732   42504         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023110724
1377    CN W733   43216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023120716
1378    CN W732   43224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023120724
1379    CN W733   43672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
        2023122616
1380    CN W732   43680         AVER: 24-hr avg, < 18 hours of data, calms policy used.
        2023122624
1381
1382       ************************************
1383       *** AERMOD Finishes Successfully ***
1384       ************************************
1385
1386
```

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 12/18/2025
** File: C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops LST Ph3\16285 Ops LST Ph3.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24
   URBANOPT 2195611 San_Bernardino_County
   POLLUTID OTHER
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "16285 Ops LST Ph3.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     442724.884  3761568.312      208.400
   LOCATION VOL2         VOLUME     442725.108  3761339.529      206.170
   LOCATION VOL3         VOLUME     442726.822  3761455.137      207.820
   LOCATION VOL4         VOLUME     442064.067  3761569.196      208.530
   LOCATION VOL5         VOLUME     442065.533  3761456.437      207.340
   LOCATION VOL6         VOLUME     442064.067  3761340.386      206.890
   LOCATION VOL7         VOLUME     442181.529  3761339.529      206.580
   LOCATION VOL8         VOLUME     442297.275  3761338.671      206.150
   LOCATION VOL9         VOLUME     442413.879  3761339.529      207.130
   LOCATION VOL10        VOLUME     442531.340  3761339.529      207.060
   LOCATION VOL11        VOLUME     442645.371  3761340.386      206.710
   LOCATION VOL12        VOLUME     442608.781  3761568.670      208.770
   LOCATION VOL13        VOLUME     442493.145  3761569.279      208.570
   LOCATION VOL14        VOLUME     442378.615  3761569.887      207.370
   LOCATION VOL15        VOLUME     442270.171  3761567.481      208.170
   LOCATION VOL16        VOLUME     442179.620  3761568.643      208.510
   LOCATION VOL17        VOLUME     442182.137  3761455.081      207.250
   LOCATION VOL18        VOLUME     442297.275  3761452.869      206.970
   LOCATION VOL19        VOLUME     442414.238  3761454.584      207.750
   LOCATION VOL20        VOLUME     442515.907  3761453.864      207.710
   LOCATION VOL21        VOLUME     442623.079  3761453.367      207.640
   LOCATION VOL22        VOLUME     442724.553  3761682.434      209.880
   LOCATION VOL23        VOLUME     442608.449  3761682.793      209.640
   LOCATION VOL24        VOLUME     442492.813  3761683.401      209.390
   LOCATION VOL25        VOLUME     442378.284  3761684.010      209.130
   LOCATION VOL26        VOLUME     442269.839  3761681.604      207.970
   LOCATION VOL27        VOLUME     442179.288  3761682.765      208.800
   LOCATION VOL28        VOLUME     442063.736  3761683.318      208.490
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     LOCATION VOL29        VOLUME     442723.944  3761763.968      210.450
     LOCATION VOL30        VOLUME     442608.449  3761765.544      210.170
     LOCATION VOL31        VOLUME     442494.030  3761764.935      209.830
     LOCATION VOL32        VOLUME     442377.675  3761762.502      209.290
     LOCATION VOL50        VOLUME     441946.455  3761568.319      207.600
     LOCATION VOL57        VOLUME     441831.876  3761567.928      206.360
     LOCATION VOL58        VOLUME     441719.145  3761570.380      206.270
     LOCATION VOL59        VOLUME     441605.135  3761567.626      206.440
     LOCATION VOL60        VOLUME     441489.152  3761568.710      206.670
     LOCATION VOL61        VOLUME     441372.086  3761570.878      206.410
     LOCATION VOL62        VOLUME     441256.103  3761571.962      206.600
     LOCATION VOL63        VOLUME     441256.103  3761340.138      204.800
     LOCATION VOL64        VOLUME     441371.002  3761339.054      205.070
     LOCATION VOL65        VOLUME     441485.901  3761340.138      202.880
     LOCATION VOL66        VOLUME     441600.799  3761335.802      205.540
     LOCATION VOL33        VOLUME     441715.698  3761339.054      205.280
     LOCATION VOL34        VOLUME     441829.513  3761340.138      205.690
     LOCATION VOL35        VOLUME     441946.580  3761340.138      206.250
     LOCATION VOL36        VOLUME     441946.899  3761454.895      207.960
     LOCATION VOL37        VOLUME     441831.432  3761454.255      207.920
     LOCATION VOL38        VOLUME     441716.089  3761453.917      207.400
     LOCATION VOL39        VOLUME     441602.718  3761452.265      206.590
     LOCATION VOL40        VOLUME     441489.028  3761456.139      205.760
     LOCATION VOL41        VOLUME     441373.809  3761454.682      206.520
     LOCATION VOL42        VOLUME     441257.631  3761455.446      206.670
     LOCATION VOL43        VOLUME     441945.075  3761683.161      208.580
     LOCATION VOL44        VOLUME     441830.496  3761682.770      208.510
     LOCATION VOL45        VOLUME     441717.766  3761685.223      207.440
     LOCATION VOL46        VOLUME     441603.755  3761682.469      208.290
     LOCATION VOL47        VOLUME     441487.773  3761683.553      207.560
     LOCATION VOL48        VOLUME     441370.706  3761685.721      207.410
     LOCATION VOL49        VOLUME     441254.723  3761686.805      207.950
     LOCATION VOL51        VOLUME     441825.148  3761753.832      209.220
     LOCATION VOL52        VOLUME     441709.360  3761756.285      208.440
     LOCATION VOL53        VOLUME     441595.350  3761753.531      208.690
     LOCATION VOL54        VOLUME     441479.367  3761754.615      207.880
     LOCATION VOL55        VOLUME     441362.301  3761756.783      207.980
     LOCATION VOL56        VOLUME     441246.318  3761757.866      208.170
     LOCATION VOL67        VOLUME     440859.140  3761569.736      206.550
     LOCATION VOL68        VOLUME     440973.922  3761568.600      207.270
     LOCATION VOL69        VOLUME     441090.408  3761569.168      206.640
     LOCATION VOL70        VOLUME     441140.754  3761572.158      206.720
     LOCATION VOL71        VOLUME     441140.963  3761341.790      204.570
     LOCATION VOL72        VOLUME     441025.044  3761341.222      204.690
     LOCATION VOL73        VOLUME     440909.126  3761342.927      204.380
     LOCATION VOL74        VOLUME     440854.008  3761342.358      204.320
     LOCATION VOL75        VOLUME     440858.311  3761456.870      204.400
     LOCATION VOL76        VOLUME     440969.847  3761457.421      205.040
     LOCATION VOL77        VOLUME     441086.728  3761457.438      205.650
     LOCATION VOL78        VOLUME     441137.347  3761454.427      205.530
     LOCATION VOL79        VOLUME     440856.702  3761684.930      207.300
     LOCATION VOL80        VOLUME     440971.483  3761683.793      207.490
     LOCATION VOL81        VOLUME     441087.970  3761684.362      207.770
     LOCATION VOL82        VOLUME     441138.316  3761687.351      207.770
     LOCATION VOL83        VOLUME     440855.938  3761758.229      207.770
     LOCATION VOL84        VOLUME     440970.720  3761757.093      208.070
     LOCATION VOL85        VOLUME     441087.206  3761757.661      208.160
     LOCATION VOL86        VOLUME     441137.552  3761760.651      208.110
** Source Parameters **
     SRCPARAM VOL1              1.0     5.000    26.719     1.400
     SRCPARAM VOL2              1.0     5.000    26.719     1.400
     SRCPARAM VOL3              1.0     5.000    26.719     1.400
     SRCPARAM VOL4              1.0     5.000    26.719     1.400
     SRCPARAM VOL5              1.0     5.000    26.719     1.400
     SRCPARAM VOL6              1.0     5.000    26.719     1.400
     SRCPARAM VOL7              1.0     5.000    26.719     1.400
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132      SRCPARAM VOL8              1.0     5.000    26.719     1.400
133      SRCPARAM VOL9              1.0     5.000    26.719     1.400
134      SRCPARAM VOL10             1.0     5.000    26.719     1.400
135      SRCPARAM VOL11             1.0     5.000    26.719     1.400
136      SRCPARAM VOL12             1.0     5.000    26.719     1.400
137      SRCPARAM VOL13             1.0     5.000    26.719     1.400
138      SRCPARAM VOL14             1.0     5.000    26.719     1.400
139      SRCPARAM VOL15             1.0     5.000    26.719     1.400
140      SRCPARAM VOL16             1.0     5.000    26.719     1.400
141      SRCPARAM VOL17             1.0     5.000    26.719     1.400
142      SRCPARAM VOL18             1.0     5.000    26.719     1.400
143      SRCPARAM VOL19             1.0     5.000    26.719     1.400
144      SRCPARAM VOL20             1.0     5.000    26.719     1.400
145      SRCPARAM VOL21             1.0     5.000    26.719     1.400
146      SRCPARAM VOL22             1.0     5.000    26.719     1.400
147      SRCPARAM VOL23             1.0     5.000    26.719     1.400
148      SRCPARAM VOL24             1.0     5.000    26.719     1.400
149      SRCPARAM VOL25             1.0     5.000    26.719     1.400
150      SRCPARAM VOL26             1.0     5.000    26.719     1.400
151      SRCPARAM VOL27             1.0     5.000    26.719     1.400
152      SRCPARAM VOL28             1.0     5.000    26.719     1.400
153      SRCPARAM VOL29             1.0     5.000    26.719     1.400
154      SRCPARAM VOL30             1.0     5.000    26.719     1.400
155      SRCPARAM VOL31             1.0     5.000    26.719     1.400
156      SRCPARAM VOL32             1.0     5.000    26.719     1.400
157      SRCPARAM VOL50             1.0     5.000    26.719     1.400
158      SRCPARAM VOL57             1.0     5.000    26.719     1.400
159      SRCPARAM VOL58             1.0     5.000    26.719     1.400
160      SRCPARAM VOL59             1.0     5.000    26.719     1.400
161      SRCPARAM VOL60             1.0     5.000    26.719     1.400
162      SRCPARAM VOL61             1.0     5.000    26.719     1.400
163      SRCPARAM VOL62             1.0     5.000    26.719     1.400
164      SRCPARAM VOL63             1.0     5.000    26.719     1.400
165      SRCPARAM VOL64             1.0     5.000    26.719     1.400
166      SRCPARAM VOL65             1.0     5.000    26.719     1.400
167      SRCPARAM VOL66             1.0     5.000    26.719     1.400
168      SRCPARAM VOL33             1.0     5.000    26.719     1.400
169      SRCPARAM VOL34             1.0     5.000    26.719     1.400
170      SRCPARAM VOL35             1.0     5.000    26.719     1.400
171      SRCPARAM VOL36             1.0     5.000    26.719     1.400
172      SRCPARAM VOL37             1.0     5.000    26.719     1.400
173      SRCPARAM VOL38             1.0     5.000    26.719     1.400
174      SRCPARAM VOL39             1.0     5.000    26.719     1.400
175      SRCPARAM VOL40             1.0     5.000    26.719     1.400
176      SRCPARAM VOL41             1.0     5.000    26.719     1.400
177      SRCPARAM VOL42             1.0     5.000    26.719     1.400
178      SRCPARAM VOL43             1.0     5.000    26.719     1.400
179      SRCPARAM VOL44             1.0     5.000    26.719     1.400
180      SRCPARAM VOL45             1.0     5.000    26.719     1.400
181      SRCPARAM VOL46             1.0     5.000    26.719     1.400
182      SRCPARAM VOL47             1.0     5.000    26.719     1.400
183      SRCPARAM VOL48             1.0     5.000    26.719     1.400
184      SRCPARAM VOL49             1.0     5.000    26.719     1.400
185      SRCPARAM VOL51             1.0     5.000    26.719     1.400
186      SRCPARAM VOL52             1.0     5.000    26.719     1.400
187      SRCPARAM VOL53             1.0     5.000    26.719     1.400
188      SRCPARAM VOL54             1.0     5.000    26.719     1.400
189      SRCPARAM VOL55             1.0     5.000    26.719     1.400
190      SRCPARAM VOL56             1.0     5.000    26.719     1.400
191      SRCPARAM VOL67             1.0     5.000    26.719     1.400
192      SRCPARAM VOL68             1.0     5.000    26.719     1.400
193      SRCPARAM VOL69             1.0     5.000    26.719     1.400
194      SRCPARAM VOL70             1.0     5.000    26.719     1.400
195      SRCPARAM VOL71             1.0     5.000    26.719     1.400
196      SRCPARAM VOL72             1.0     5.000    26.719     1.400
197      SRCPARAM VOL73             1.0     5.000    26.719     1.400
```

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   SRCPARAM VOL74              1.0     5.000    26.719     1.400
   SRCPARAM VOL75              1.0     5.000    26.719     1.400
   SRCPARAM VOL76              1.0     5.000    26.719     1.400
   SRCPARAM VOL77              1.0     5.000    26.719     1.400
   SRCPARAM VOL78              1.0     5.000    26.719     1.400
   SRCPARAM VOL79              1.0     5.000    26.719     1.400
   SRCPARAM VOL80              1.0     5.000    26.719     1.400
   SRCPARAM VOL81              1.0     5.000    26.719     1.400
   SRCPARAM VOL82              1.0     5.000    26.719     1.400
   SRCPARAM VOL83              1.0     5.000    26.719     1.400
   SRCPARAM VOL84              1.0     5.000    26.719     1.400
   SRCPARAM VOL85              1.0     5.000    26.719     1.400
   SRCPARAM VOL86              1.0     5.000    26.719     1.400
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "16285 Ops LST Ph3.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE KCNO_V11_trimmed.sfc
   PROFFILE KCNO_V11_trimmed.PFL
   SURFDATA 3179 2017
   UAIRDATA 3190 2017
   PROFBASE 191.07 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "16285 OPS LST PH3.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "16285 OPS LST PH3.AD\08H1GALL.PLT" 32
   PLOTFILE 24 ALL 1ST "16285 OPS LST PH3.AD\24H1GALL.PLT" 33
   SUMMFILE "16285 Ops LST Ph3.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     234       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187     234       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET

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

FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                    ***
 13:44:44

                              PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  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    86 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2195611.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: OTHER

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

 **This Run Includes:     86 Source(s);       1 Source Group(s); and     108 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     86 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.
```

```
323   **The AERMET Input Meteorological Data Version Date:  22112
324
325   **Output Options Selected:
326            Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
              Keyword)
327            Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
328            Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
329
330   **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
331                                                                   m for Missing Hours
332                                                                   b for Both Calm and
                                                                      Missing Hours
333
334   **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   191.07 ;  Decay Coef.
      =    0.000     ;  Rot. Angle =     0.0
335                     Emission Units = GRAMS/SEC                          ;  Emission
                        Rate Unit Factor =   0.10000E+07
336                     Output Units   = MICROGRAMS/M**3
337
338   **Approximate Storage Requirements of Model =      3.6 MB of RAM.
339
340   **Input Runstream File:
      aermod.inp

341   **Output Print File:
      aermod.out

342
343   **Detailed Error/Message File:   16285 Ops LST
      Ph3.err
344   **File for Summary of Results:   16285 Ops LST
      Ph3.sum
345   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
346    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:44:44
347
                                  PAGE   2
348   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
349
350
351                                                  *** VOLUME SOURCE DATA ***
352
353                 NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
                    INIT.   URBAN  EMISSION RATE   AIRCRAFT
354     SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
        SZ     SOURCE  SCALAR VARY
355       ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
          (METERS)             BY
356   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - -
357
358   VOL1            0   0.10000E+01  442724.9 3761568.3   208.4     5.00    26.72
      1.40     YES                    NO
359   VOL2            0   0.10000E+01  442725.1 3761339.5   206.2     5.00    26.72
      1.40     YES                    NO
360   VOL3            0   0.10000E+01  442726.8 3761455.1   207.8     5.00    26.72
      1.40     YES                    NO
361   VOL4            0   0.10000E+01  442064.1 3761569.2   208.5     5.00    26.72
      1.40     YES                    NO
362   VOL5            0   0.10000E+01  442065.5 3761456.4   207.3     5.00    26.72
      1.40     YES                    NO
363   VOL6            0   0.10000E+01  442064.1 3761340.4   206.9     5.00    26.72
      1.40     YES                    NO
364   VOL7            0   0.10000E+01  442181.5 3761339.5   206.6     5.00    26.72
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```
      1.40     YES                  NO
365   VOL8              0   0.10000E+01  442297.3 3761338.7   206.2     5.00    26.72
      1.40     YES                  NO
366   VOL9              0   0.10000E+01  442413.9 3761339.5   207.1     5.00    26.72
      1.40     YES                  NO
367   VOL10             0   0.10000E+01  442531.3 3761339.5   207.1     5.00    26.72
      1.40     YES                  NO
368   VOL11             0   0.10000E+01  442645.4 3761340.4   206.7     5.00    26.72
      1.40     YES                  NO
369   VOL12             0   0.10000E+01  442608.8 3761568.7   208.8     5.00    26.72
      1.40     YES                  NO
370   VOL13             0   0.10000E+01  442493.1 3761569.3   208.6     5.00    26.72
      1.40     YES                  NO
371   VOL14             0   0.10000E+01  442378.6 3761569.9   207.4     5.00    26.72
      1.40     YES                  NO
372   VOL15             0   0.10000E+01  442270.2 3761567.5   208.2     5.00    26.72
      1.40     YES                  NO
373   VOL16             0   0.10000E+01  442179.6 3761568.6   208.5     5.00    26.72
      1.40     YES                  NO
374   VOL17             0   0.10000E+01  442182.1 3761455.1   207.2     5.00    26.72
      1.40     YES                  NO
375   VOL18             0   0.10000E+01  442297.3 3761452.9   207.0     5.00    26.72
      1.40     YES                  NO
376   VOL19             0   0.10000E+01  442414.2 3761454.6   207.8     5.00    26.72
      1.40     YES                  NO
377   VOL20             0   0.10000E+01  442515.9 3761453.9   207.7     5.00    26.72
      1.40     YES                  NO
378   VOL21             0   0.10000E+01  442623.1 3761453.4   207.6     5.00    26.72
      1.40     YES                  NO
379   VOL22             0   0.10000E+01  442724.6 3761682.4   209.9     5.00    26.72
      1.40     YES                  NO
380   VOL23             0   0.10000E+01  442608.4 3761682.8   209.6     5.00    26.72
      1.40     YES                  NO
381   VOL24             0   0.10000E+01  442492.8 3761683.4   209.4     5.00    26.72
      1.40     YES                  NO
382   VOL25             0   0.10000E+01  442378.3 3761684.0   209.1     5.00    26.72
      1.40     YES                  NO
383   VOL26             0   0.10000E+01  442269.8 3761681.6   208.0     5.00    26.72
      1.40     YES                  NO
384   VOL27             0   0.10000E+01  442179.3 3761682.8   208.8     5.00    26.72
      1.40     YES                  NO
385   VOL28             0   0.10000E+01  442063.7 3761683.3   208.5     5.00    26.72
      1.40     YES                  NO
386   VOL29             0   0.10000E+01  442723.9 3761764.0   210.5     5.00    26.72
      1.40     YES                  NO
387   VOL30             0   0.10000E+01  442608.4 3761765.5   210.2     5.00    26.72
      1.40     YES                  NO
388   VOL31             0   0.10000E+01  442494.0 3761764.9   209.8     5.00    26.72
      1.40     YES                  NO
389   VOL32             0   0.10000E+01  442377.7 3761762.5   209.3     5.00    26.72
      1.40     YES                  NO
390   VOL50             0   0.10000E+01  441946.5 3761568.3   207.6     5.00    26.72
      1.40     YES                  NO
391   VOL57             0   0.10000E+01  441831.9 3761567.9   206.4     5.00    26.72
      1.40     YES                  NO
392   VOL58             0   0.10000E+01  441719.1 3761570.4   206.3     5.00    26.72
      1.40     YES                  NO
393   VOL59             0   0.10000E+01  441605.1 3761567.6   206.4     5.00    26.72
      1.40     YES                  NO
394   VOL60             0   0.10000E+01  441489.2 3761568.7   206.7     5.00    26.72
      1.40     YES                  NO
395   VOL61             0   0.10000E+01  441372.1 3761570.9   206.4     5.00    26.72
      1.40     YES                  NO
396   VOL62             0   0.10000E+01  441256.1 3761572.0   206.6     5.00    26.72
      1.40     YES                  NO
397   VOL63             0   0.10000E+01  441256.1 3761340.1   204.8     5.00    26.72
```

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE INIT. PART. CATS.	URBAN SOURCE	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	AIRCRAFT BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY SZ (METERS)
VOL64	0	1.40	0.10000E+01 YES	441371.0	3761339.1 NO	205.1	5.00	26.72
VOL65	0	1.40	0.10000E+01 YES	441485.9	3761340.1 NO	202.9	5.00	26.72
VOL66	0	1.40	0.10000E+01 YES	441600.8	3761335.8 NO	205.5	5.00	26.72
VOL33	0	1.40	0.10000E+01 YES	441715.7	3761339.1 NO	205.3	5.00	26.72
VOL34	0	1.40	0.10000E+01 YES	441829.5	3761340.1 NO	205.7	5.00	26.72
VOL35	0	1.40	0.10000E+01 YES	441946.6	3761340.1 NO	206.2	5.00	26.72
VOL36	0	1.40	0.10000E+01 YES	441946.9	3761454.9 NO	208.0	5.00	26.72
VOL37	0	1.40	0.10000E+01 YES	441831.4	3761454.3 NO	207.9	5.00	26.72
VOL38	0	1.40	0.10000E+01 YES	441716.1	3761453.9 NO	207.4	5.00	26.72
VOL39	0	1.40	0.10000E+01 YES	441602.7	3761452.3 NO	206.6	5.00	26.72
VOL40	0	1.40	0.10000E+01 YES	441489.0	3761456.1 NO	205.8	5.00	26.72
VOL41	0	1.40	0.10000E+01 YES	441373.8	3761454.7 NO	206.5	5.00	26.72
VOL42	0	1.40	0.10000E+01 YES	441257.6	3761455.4 NO	206.7	5.00	26.72
VOL43	0	1.40	0.10000E+01 YES	441945.1	3761683.2 NO	208.6	5.00	26.72
VOL44	0	1.40	0.10000E+01 YES	441830.5	3761682.8 NO	208.5	5.00	26.72
VOL45	0	1.40	0.10000E+01 YES	441717.8	3761685.2 NO	207.4	5.00	26.72
VOL46	0	1.40	0.10000E+01 YES	441603.8	3761682.5 NO	208.3	5.00	26.72
VOL47	0	1.40	0.10000E+01 YES	441487.8	3761683.6 NO	207.6	5.00	26.72
VOL48	0	1.40	0.10000E+01 YES	441370.7	3761685.7 NO	207.4	5.00	26.72
VOL49	0	1.40	0.10000E+01 YES	441254.7	3761686.8 NO	208.0	5.00	26.72
VOL51	0	1.40	0.10000E+01 YES	441825.1	3761753.8 NO	209.2	5.00	26.72
VOL52	0	1.40	0.10000E+01 YES	441709.4	3761756.3 NO	208.4	5.00	26.72

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433   VOL53            0   0.10000E+01  441595.3 3761753.5   208.7     5.00    26.72
      1.40     YES                    NO
434   VOL54            0   0.10000E+01  441479.4 3761754.6   207.9     5.00    26.72
      1.40     YES                    NO
435   VOL55            0   0.10000E+01  441362.3 3761756.8   208.0     5.00    26.72
      1.40     YES                    NO
436   VOL56            0   0.10000E+01  441246.3 3761757.9   208.2     5.00    26.72
      1.40     YES                    NO
437   VOL67            0   0.10000E+01  440859.1 3761569.7   206.6     5.00    26.72
      1.40     YES                    NO
438   VOL68            0   0.10000E+01  440973.9 3761568.6   207.3     5.00    26.72
      1.40     YES                    NO
439   VOL69            0   0.10000E+01  441090.4 3761569.2   206.6     5.00    26.72
      1.40     YES                    NO
440   VOL70            0   0.10000E+01  441140.8 3761572.2   206.7     5.00    26.72
      1.40     YES                    NO
441   VOL71            0   0.10000E+01  441141.0 3761341.8   204.6     5.00    26.72
      1.40     YES                    NO
442   VOL72            0   0.10000E+01  441025.0 3761341.2   204.7     5.00    26.72
      1.40     YES                    NO
443   VOL73            0   0.10000E+01  440909.1 3761342.9   204.4     5.00    26.72
      1.40     YES                    NO
444   VOL74            0   0.10000E+01  440854.0 3761342.4   204.3     5.00    26.72
      1.40     YES                    NO
445   VOL75            0   0.10000E+01  440858.3 3761456.9   204.4     5.00    26.72
      1.40     YES                    NO
446   VOL76            0   0.10000E+01  440969.8 3761457.4   205.0     5.00    26.72
      1.40     YES                    NO
447   VOL77            0   0.10000E+01  441086.7 3761457.4   205.7     5.00    26.72
      1.40     YES                    NO
448   VOL78            0   0.10000E+01  441137.3 3761454.4   205.5     5.00    26.72
      1.40     YES                    NO
449   VOL79            0   0.10000E+01  440856.7 3761684.9   207.3     5.00    26.72
      1.40     YES                    NO
450   VOL80            0   0.10000E+01  440971.5 3761683.8   207.5     5.00    26.72
      1.40     YES                    NO
451   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
452    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:44:44
453
                                  PAGE   4
454    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
455
456
457                                                  *** VOLUME SOURCE DATA ***
458
459                 NUMBER EMISSION RATE                       BASE    RELEASE    INIT.
                    INIT.   URBAN  EMISSION RATE   AIRCRAFT
460       SOURCE     PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
          SZ     SOURCE  SCALAR VARY
461         ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
            (METERS)              BY
462   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - -
463
464   VOL81            0   0.10000E+01  441088.0 3761684.4   207.8     5.00    26.72
      1.40     YES                    NO
465   VOL82            0   0.10000E+01  441138.3 3761687.4   207.8     5.00    26.72
      1.40     YES                    NO
466   VOL83            0   0.10000E+01  440855.9 3761758.2   207.8     5.00    26.72
      1.40     YES                    NO
467   VOL84            0   0.10000E+01  440970.7 3761757.1   208.1     5.00    26.72
      1.40     YES                    NO
468   VOL85            0   0.10000E+01  441087.2 3761757.7   208.2     5.00    26.72
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 1.40     YES                    NO
469  VOL86            0   0.10000E+01  441137.6 3761760.7   208.1     5.00    26.72
 1.40     YES                    NO
470  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
471   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      13:44:44
472
                                PAGE   5
473   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
474
475
476                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
477
478   SRCGROUP ID                                          SOURCE IDs
479   -----------                                          ----------
480
481
482    ALL        VOL1       , VOL2       , VOL3       , VOL4       , VOL5       ,
      VOL6        , VOL7        , VOL8        ,
483
484               VOL9       , VOL10      , VOL11      , VOL12      , VOL13      ,
               VOL14      , VOL15      , VOL16      ,
485
486               VOL17      , VOL18      , VOL19      , VOL20      , VOL21      ,
               VOL22      , VOL23      , VOL24      ,
487
488               VOL25      , VOL26      , VOL27      , VOL28      , VOL29      ,
               VOL30      , VOL31      , VOL32      ,
489
490               VOL50      , VOL57      , VOL58      , VOL59      , VOL60      ,
               VOL61      , VOL62      , VOL63      ,
491
492               VOL64      , VOL65      , VOL66      , VOL33      , VOL34      ,
               VOL35      , VOL36      , VOL37      ,
493
494               VOL38      , VOL39      , VOL40      , VOL41      , VOL42      ,
               VOL43      , VOL44      , VOL45      ,
495
496               VOL46      , VOL47      , VOL48      , VOL49      , VOL51      ,
               VOL52      , VOL53      , VOL54      ,
497
498               VOL55      , VOL56      , VOL67      , VOL68      , VOL69      ,
               VOL70      , VOL71      , VOL72      ,
499
500               VOL73      , VOL74      , VOL75      , VOL76      , VOL77      ,
               VOL78      , VOL79      , VOL80      ,
501
502               VOL81      , VOL82      , VOL83      , VOL84      , VOL85      ,
               VOL86      ,
503   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
Eucalyptus BP\16285 Ops H ***        12/18/25
504   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      13:44:44
505
                                PAGE   6
506   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
507
508
509                                          *** SOURCE IDs DEFINED AS URBAN SOURCES ***
510
511    URBAN ID   URBAN POP                                SOURCE IDs
512    --------   ---------                                ----------
513
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514
515                2195611.   VOL1        , VOL2        , VOL3        , VOL4        ,
                   VOL5        , VOL6        , VOL7        ,
516    VOL8        ,
517
518                VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
                   VOL14       , VOL15       , VOL16       ,
519
520                VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
                   VOL22       , VOL23       , VOL24       ,
521
522                VOL25       , VOL26       , VOL27       , VOL28       , VOL29       ,
                   VOL30       , VOL31       , VOL32       ,
523
524                VOL50       , VOL57       , VOL58       , VOL59       , VOL60       ,
                   VOL61       , VOL62       , VOL63       ,
525
526                VOL64       , VOL65       , VOL66       , VOL33       , VOL34       ,
                   VOL35       , VOL36       , VOL37       ,
527
528                VOL38       , VOL39       , VOL40       , VOL41       , VOL42       ,
                   VOL43       , VOL44       , VOL45       ,
529
530                VOL46       , VOL47       , VOL48       , VOL49       , VOL51       ,
                   VOL52       , VOL53       , VOL54       ,
531
532                VOL55       , VOL56       , VOL67       , VOL68       , VOL69       ,
                   VOL70       , VOL71       , VOL72       ,
533
534                VOL73       , VOL74       , VOL75       , VOL76       , VOL77       ,
                   VOL78       , VOL79       , VOL80       ,
535
536                VOL81       , VOL82       , VOL83       , VOL84       , VOL85       ,
                   VOL86       ,
537    FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
       Eucalyptus BP\16285 Ops H ***        12/18/25
538     *** AERMET - VERSION  22112 ***
        ***                                                                    ***
        13:44:44
539
                                  PAGE   7
540     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
541
542                                                *** DISCRETE CARTESIAN RECEPTORS ***
543                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
544                                                           (METERS)
545
546        ( 440769.5, 3761316.4,     204.2,     204.2,       2.0);         ( 440885.1,
           3761233.7,     203.9,     203.9,       2.0);
547        ( 440943.0, 3761237.4,     204.1,     204.1,       2.0);         ( 440769.6,
           3761295.0,     204.0,     204.0,       2.0);
548        ( 441264.8, 3761237.8,     204.2,     204.2,       2.0);         ( 441396.4,
           3761228.1,     204.2,     204.2,       2.0);
549        ( 441633.9, 3761229.5,     205.0,     205.0,       2.0);         ( 441839.4,
           3761231.3,     205.3,     205.3,       2.0);
550        ( 442193.3, 3761092.3,     204.6,     204.6,       2.0);         ( 442736.3,
           3761091.7,     204.8,     204.8,       2.0);
551        ( 442867.1, 3761089.4,     204.8,     204.8,       2.0);         ( 443107.8,
           3761253.3,     207.5,     207.5,       2.0);
552        ( 443327.7, 3761050.9,     207.4,     207.4,       2.0);         ( 441881.3,
           3762001.4,     211.9,     211.9,       2.0);
553        ( 440583.1, 3761320.9,     204.2,     204.2,       2.0);         ( 440579.8,
           3761299.8,     204.0,     204.0,       2.0);
554        ( 440431.9, 3761496.3,     205.5,     205.5,       2.0);         ( 440335.2,
           3761292.1,     203.4,     203.4,       2.0);
555        ( 440356.1, 3761232.2,     203.0,     203.0,       2.0);         ( 439969.5,
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        3761230.1,     201.8,     201.8,       2.0);
556     ( 439868.6, 3761297.1,     202.8,     202.8,       2.0);         ( 439865.3,
        3761245.2,     202.3,     202.3,       2.0);
557     ( 440229.8, 3761288.7,     203.2,     203.2,       2.0);         ( 439957.8,
        3761363.2,     203.3,     203.3,       2.0);
558     ( 439870.7, 3761572.0,     205.6,     205.6,       2.0);         ( 439930.6,
        3761556.5,     205.6,     205.6,       2.0);
559     ( 439870.7, 3761839.4,     207.7,     207.7,       2.0);         ( 439924.7,
        3761957.0,     209.3,     209.3,       2.0);
560     ( 439924.3, 3762099.7,     210.4,     210.4,       2.0);         ( 439863.6,
        3762112.3,     210.4,     210.4,       2.0);
561     ( 439873.3, 3762554.9,     215.7,     215.7,       2.0);         ( 439874.8,
        3762661.3,     217.0,     217.0,       2.0);
562     ( 439927.5, 3762571.1,     216.2,     216.2,       2.0);         ( 439942.6,
        3762649.5,     217.4,     217.4,       2.0);
563     ( 439874.2, 3763087.6,     222.5,    2697.3,       2.0);         ( 439872.6,
        3763272.5,     224.9,    2697.3,       2.0);
564     ( 439876.3, 3763332.4,     225.7,    2697.3,       2.0);         ( 439874.2,
        3763445.8,     226.7,    2697.3,       2.0);
565     ( 439861.7, 3763702.3,     228.8,    2697.3,       2.0);         ( 439875.1,
        3763945.4,     231.1,    2697.3,       2.0);
566     ( 440074.3, 3763727.0,     229.9,    2697.3,       2.0);         ( 439872.6,
        3764008.2,     231.9,    2697.3,       2.0);
567     ( 439873.8, 3764196.5,     234.9,    2697.3,       2.0);         ( 439945.0,
        3764712.1,     241.3,    2697.3,       2.0);
568     ( 439880.1, 3764775.7,     242.4,    2697.3,       2.0);         ( 439880.5,
        3764900.8,     244.2,    2697.3,       2.0);
569     ( 439945.0, 3764933.9,     244.6,    2697.3,       2.0);         ( 439951.2,
        3765049.8,     246.2,    2697.3,       2.0);
570     ( 439880.1, 3765027.6,     245.7,    2697.3,       2.0);         ( 439951.7,
        3765276.2,     249.0,    2697.3,       2.0);
571     ( 439875.5, 3765270.8,     248.0,    2697.3,       2.0);         ( 439874.5,
        3765815.9,     254.7,    2697.3,       2.0);
572     ( 440004.8, 3765814.7,     255.3,    2697.3,       2.0);         ( 439865.4,
        3760870.3,     198.7,     198.7,       2.0);
573     ( 439781.4, 3760421.5,     193.4,     193.4,       2.0);         ( 439860.5,
        3760191.1,     191.6,     191.6,       2.0);
574     ( 439923.1, 3757937.3,     174.7,     174.7,       2.0);         ( 438973.4,
        3754580.5,     178.9,     369.3,       2.0);
575     ( 439631.1, 3762694.5,     217.3,     217.3,       2.0);         ( 442816.7,
        3761641.1,     208.8,     208.8,       2.0);
576     ( 442840.5, 3762023.1,     212.1,     212.1,       2.0);         ( 442844.8,
        3762050.7,     212.6,     212.6,       2.0);
577     ( 443047.8, 3762051.3,     212.7,     212.7,       2.0);         ( 443029.0,
        3762020.3,     212.2,     212.2,       2.0);
578     ( 443122.6, 3762052.8,     212.8,     212.8,       2.0);         ( 443438.8,
        3762060.8,     214.3,     214.3,       2.0);
579     ( 443421.5, 3762034.5,     213.9,     213.9,       2.0);         ( 443872.9,
        3762120.0,     216.1,     216.1,       2.0);
580     ( 444355.8, 3762116.9,     217.5,     217.5,       2.0);         ( 445022.6,
        3761786.0,     213.6,     213.6,       2.0);
581     ( 445316.7, 3762043.1,     217.2,     217.2,       2.0);         ( 445303.9,
        3761970.2,     216.4,     216.4,       2.0);
582     ( 445607.2, 3762043.1,     218.4,     218.4,       2.0);         ( 445882.1,
        3762042.1,     218.6,     218.6,       2.0);
583     ( 446067.7, 3761982.5,     218.7,     218.7,       2.0);         ( 446058.9,
        3762058.3,     219.7,     219.7,       2.0);
584     ( 446255.2, 3762062.1,     219.9,     219.9,       2.0);         ( 446484.2,
        3762227.1,     221.2,     221.2,       2.0);
585     ( 446439.9, 3762290.6,     222.0,    2697.3,       2.0);         ( 446749.2,
        3762427.5,     224.0,    2697.3,       2.0);
586     ( 446844.3, 3762432.2,     222.5,    2697.3,       2.0);         ( 447224.7,
        3762429.5,     223.9,    2697.3,       2.0);
587     ( 447272.4, 3762441.7,     223.6,    2697.3,       2.0);         ( 446893.4,
        3762355.1,     222.3,    2697.3,       2.0);
588     ( 447657.6, 3762177.9,     222.7,     222.7,       2.0);         ( 439164.0,
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     3762679.5,     215.5,     215.5,       2.0);
589      ( 442309.7, 3758691.6,     188.5,     188.5,       2.0);         ( 441607.6,
     3758831.7,     186.8,     186.8,       2.0);
590      ( 442346.3, 3758837.4,     190.3,     190.3,       2.0);         ( 442782.9,
     3758835.7,     190.9,     190.9,       2.0);
591  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
592   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      13:44:44
593
                                PAGE   8
594   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
595
596                                          *** DISCRETE CARTESIAN RECEPTORS ***
597                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
598                                                  (METERS)
599
600      ( 443526.5, 3758833.3,     191.7,     191.7,       2.0);         ( 441007.8,
     3758832.8,     184.8,     184.8,       2.0);
601      ( 442733.1, 3762008.7,     212.4,     212.4,       2.0);         ( 442555.0,
     3762014.4,     212.8,     212.8,       2.0);
602      ( 442372.4, 3762032.7,     213.0,     213.0,       2.0);         ( 442471.3,
     3762020.1,     214.1,     214.1,       2.0);
603      ( 442309.0, 3762003.2,     212.4,     212.4,       2.0);         ( 442267.2,
     3762011.9,     212.5,     212.5,       2.0);
604      ( 442157.9, 3762010.7,     211.7,     211.7,       2.0);         ( 442023.5,
     3762012.6,     211.7,     211.7,       2.0);
605      ( 441918.4, 3762014.9,     211.7,     211.7,       2.0);         ( 441564.9,
     3762038.2,     210.7,     210.7,       2.0);
606      ( 441257.3, 3761984.8,     210.4,     210.4,       2.0);         ( 441170.8,
     3762020.0,     210.5,     210.5,       2.0);
607      ( 440928.2, 3762012.3,     211.3,     211.3,       2.0);         ( 440604.7,
     3762011.0,     210.7,     210.7,       2.0);
608      ( 440672.3, 3761517.5,     205.9,     205.9,       2.0);         ( 441235.1,
     3761842.0,     208.9,     208.9,       2.0);
609  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
610   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      13:44:44
611
                                PAGE   9
612   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
613
614                                          *** METEOROLOGICAL DAYS SELECTED FOR
                                             PROCESSING ***
615                                                    (1=YES; 0=NO)
616
617            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
618            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
619            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
620            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
621            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
622            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
623            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1 1
624            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
625
626                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT
```

IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

FF *** AERMOD - VERSION 24142 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H *** 12/18/25
*** AERMET - VERSION 22112 ***
*** ***
13:44:44

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

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file:
KCNO_V11_trimmed.sfc
Met Version: 22112
Profile file:
KCNO_V11_trimmed.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2017 Year: 2017

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
17	01	01	1	01	-17.3	0.174	-9.000	-9.000	-999.	175.	33.5	0.02	0.54	1.00	2.86	261.	7.9	279.2	2.0
17	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.05	0.54	1.00	0.00	0.	7.9	279.2	2.0
17	01	01	1	03	-18.3	0.185	-9.000	-9.000	-999.	191.	37.7	0.11	0.54	1.00	2.09	340.	7.9	279.2	2.0
17	01	01	1	04	-5.5	0.091	-9.000	-9.000	-999.	70.	12.0	0.02	0.54	1.00	1.52	89.	7.9	279.2	2.0
17	01	01	1	05	-12.5	0.150	-9.000	-9.000	-999.	139.	24.7	0.14	0.54	1.00	1.62	13.	7.9	277.5	2.0
17	01	01	1	06	-9.0	0.126	-9.000	-9.000	-999.	107.	19.4	0.12	0.54	1.00	1.43	317.	7.9	277.5	2.0
17	01	01	1	07	-3.0	0.067	-9.000	-9.000	-999.	43.	9.0	0.02	0.54	1.00	1.13	255.	7.9	277.0	2.0
17	01	01	1	08	-5.8	0.097	-9.000	-9.000	-999.	73.	14.0	0.02	0.54	0.53	1.60	93.	7.9	277.5	2.0
17	01	01	1	09	22.2	0.091	0.366	0.005	78.	66.	-3.0	0.02	0.54	0.31	0.97	35.	7.9	280.3	2.0
17	01	01	1	10	54.8	0.172	0.954	0.005	559.	172.	-8.2	0.02	0.54	0.24	2.11	70.	7.9	283.8	2.0
17	01	01	1	11	76.8	0.224	1.251	0.005	899.	254.	-12.9	0.02	0.54	0.21	2.83	99.	7.9	285.9	2.0
17	01	01	1	12	73.6	0.126	1.297	0.005	1045.	111.	-2.4	0.02	0.54	0.20	1.31	107.	7.9	285.9	2.0

```
664   17 01 01   1 13   86.2  0.147  1.404  0.005 1133.  135.     -3.3  0.02   0.54   0.20
      1.60  234.    7.9  286.4    2.0
665   17 01 01   1 14   62.5  0.198  1.284  0.005 1194.  211.    -10.9  0.02   0.54   0.21
      2.49  291.    7.9  288.1    2.0
666   17 01 01   1 15   42.3  0.319  1.138  0.005 1231.  433.    -67.8  0.02   0.54   0.25
      4.65  247.    7.9  286.4    2.0
667   17 01 01   1 16    1.0  0.222  0.331  0.005 1232.  256.   -941.4  0.02   0.54   0.34
      3.40  241.    7.9  286.4    2.0
668   17 01 01   1 17  -14.2  0.170 -9.000 -9.000 -999.  170.     31.9  0.02   0.54   0.61
      2.69  233.    7.9  285.9    2.0
669   17 01 01   1 18  -16.2  0.167 -9.000 -9.000 -999.  164.     30.6  0.02   0.54   1.00
      2.74  250.    7.9  285.3    2.0
670   17 01 01   1 19  -25.0  0.257 -9.000 -9.000 -999.  312.     72.6  0.02   0.54   1.00
      4.14  243.    7.9  284.8    2.0
671   17 01 01   1 20  -22.6  0.232 -9.000 -9.000 -999.  269.     59.3  0.02   0.54   1.00
      3.63  226.    7.9  284.8    2.0
672   17 01 01   1 21  -14.9  0.156 -9.000 -9.000 -999.  149.     26.7  0.03   0.54   1.00
      2.28  151.    7.9  284.2    2.0
673   17 01 01   1 22  -15.7  0.169 -9.000 -9.000 -999.  167.     31.5  0.14   0.54   1.00
      1.81   14.    7.9  283.8    2.0
674   17 01 01   1 23   -7.9  0.117 -9.000 -9.000 -999.   97.     18.1  0.11   0.54   1.00
      1.37  358.    7.9  283.8    2.0
675   17 01 01   1 24   -7.7  0.108 -9.000 -9.000 -999.   85.     14.6  0.02   0.54   1.00
      1.77   94.    7.9  282.5    2.0
676
677
678   First hour of profile data
679   YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
680   17 01 01 01    7.9 1  261.    2.86   279.3   99.0  -99.00  -99.00
681
682   F indicates top of profile (=1) or below (=0)
683   FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
      Eucalyptus BP\16285 Ops H ***        12/18/25
684    *** AERMET - VERSION  22112 ***
       ***                                                                    ***
       13:44:44
685
                                  PAGE  11
686   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
687
688                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
689                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
690                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                    VOL11       , VOL12       , VOL13       ,
691                 VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                    VOL19       , VOL20       , VOL21       ,
692                 VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                    VOL27       , VOL28       ,  . . .      ,
693
694                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***
695
696                                   ** CONC OF OTHER    IN
                                      MICROGRAMS/M**3                          **
697
698        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
           Y-COORD (M)        CONC     (YYMMDDHH)
699   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - - - -
700          440769.54   3761316.44     2478.43009  (18010901)               440885.08
             3761233.72     1642.56634  (18010823)
701          440942.99   3761237.37     1673.20621  (18010823)               440769.57
             3761294.98     2326.85285  (21010918)
702          441264.79   3761237.83     1682.31262  (21022120)               441396.39
             3761228.15     1603.00531  (22021322)
```

703	441633.90	3761229.53	1597.62652	(22021021)	441839.43
	3761231.28	1602.55352	(18013018)		
704	442193.26	3761092.32	1111.17923	(18122019)	442736.29
	3761091.73	1116.26959	(18122019)		
705	442867.08	3761089.40	1095.77390	(22121420)	443107.85
	3761253.32	1370.58469	(18021420)		
706	443327.70	3761050.95	936.17836	(21120920)	441881.29
	3762001.44	1385.02268	(17021105)		
707	440583.15	3761320.92	1662.35903	(21012919)	440579.83
	3761299.75	1635.46770	(18121023)		
708	440431.88	3761496.28	1450.93489	(18120602)	440335.22
	3761292.06	1243.56471	(21012919)		
709	440356.14	3761232.22	1218.38431	(17010723)	439969.47
	3761230.13	917.51095	(21012919)		
710	439868.62	3761297.08	889.89117	(21012320)	439865.27
	3761245.19	867.56273	(21012320)		
711	440229.76	3761288.71	1133.77908	(21012320)	439957.76
	3761363.20	974.01868	(22011121)		
712	439870.71	3761572.02	916.93626	(23121801)	439930.56
	3761556.53	956.89856	(18120606)		
713	439870.71	3761839.42	879.72642	(18120721)	439924.70
	3761957.01	877.48526	(17122819)		
714	439924.28	3762099.71	900.11141	(17121723)	439863.60
	3762112.26	879.35212	(17121723)		
715	439873.26	3762554.88	773.70181	(18010720)	439874.80
	3762661.28	695.31740	(18010720)		
716	439927.48	3762571.08	758.00421	(18010720)	439942.64
	3762649.46	693.94870	(18010720)		
717	439874.24	3763087.57	548.45651	(17021702)	439872.56
	3763272.54	507.23254	(17020502)		
718	439876.33	3763332.38	496.90510	(17020502)	439874.24
	3763445.79	475.72595	(18120918)		
719	439861.68	3763702.32	433.83058	(22123008)	439875.08
	3763945.45	402.87315	(17013021)		
720	440074.27	3763727.01	429.37025	(17122618)	439872.56
	3764008.22	394.14620	(17013021)		
721	439873.82	3764196.54	376.78456	(17122618)	439944.96
	3764712.10	327.92096	(23010405)		
722	439880.10	3764775.71	323.25174	(23022103)	439880.52
	3764900.83	314.61194	(23010405)		
723	439944.96	3764933.89	310.68048	(23010405)	439951.24
	3765049.81	303.63617	(22122806)		
724	439880.10	3765027.63	305.54617	(23010405)	439951.66
	3765276.21	288.09247	(22122806)		
725	439875.49	3765270.77	290.26374	(22122806)	439874.50
	3765815.86	256.83407	(22010604)		
726	440004.83	3765814.70	251.97258	(22010604)	439865.36
	3760870.32	685.22282	(21012102)		
727	439781.42	3760421.48	469.99643	(18022523)	439860.47
	3760191.14	408.11394	(21022301)		
728	439923.10	3757937.26	169.95317	(17121123)	438973.38
	3754580.48	47.90847	(17121123)		
729	439631.09	3762694.55	709.37983	(18010720)	442816.66
	3761641.08	2308.95996	(21011218)		
730	442840.46	3762023.13	1241.67932	(21011718)	442844.83
	3762050.67	1192.27708	(21011718)		
731	443047.82	3762051.32	1216.49770	(21011718)	443029.03
	3762020.29	1257.15971	(22120124)		
732	443122.56	3762052.85	1208.54849	(22120124)	443438.77
	3762060.83	1201.11312	(21122221)		
733	443421.50	3762034.46	1235.61246	(23121318)	443872.88
	3762119.96	1016.40504	(23121318)		
734	444355.79	3762116.93	909.74747	(17020923)	445022.64
	3761785.97	693.81033	(22011804)		
735	445316.67	3762043.06	667.70635	(17011223)	445303.86
	3761970.17	668.06952	(22122219)		

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736          445607.24   3762043.06      627.01216  (17011223)                445882.06
             3762042.08      583.88577  (22122219)
737          446067.74   3761982.48      553.63417  (21120408)                446058.87
             3762058.33      566.86485  (22122219)
738          446255.23   3762062.11      538.34838  (22122219)                446484.25
             3762227.10      513.64654  (17011223)
739          446439.92   3762290.63      514.49352  (17122623)                446749.22
             3762427.55      487.09688  (22011622)
740  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
741   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      13:44:44
742
                                    PAGE  12
743   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
744
745                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                                    FOR SOURCE GROUP:  ALL      ***
746                                     INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                        VOL3        , VOL4        , VOL5        ,
747                    VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                       VOL11       , VOL12       , VOL13       ,
748                    VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                       VOL19       , VOL20       , VOL21       ,
749                    VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                       VOL27       , VOL28       ,  . . .      ,
750
751                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***
752
753                                     ** CONC OF OTHER    IN
                                        MICROGRAMS/M**3                          **
754
755        X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
           Y-COORD (M)        CONC     (YYMMDDHH)
756    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - - - -
757          446844.30   3762432.18      467.14296  (22011622)                447224.68
             3762429.46      436.69970  (17122623)
758          447272.39   3762441.73      429.26213  (17122623)                446893.38
             3762355.15      462.54179  (17122623)
759          447657.60   3762177.92      407.67134  (21120408)                439164.02
             3762679.50      656.48399  (22012422)
760          442309.67   3758691.58      115.77842  (17011620)                441607.59
             3758831.67      123.87280  (22021219)
761          442346.32   3758837.37      121.14753  (18020501)                442782.88
             3758835.74      120.85375  (17010902)
762          443526.49   3758833.30      115.84483  (22022824)                441007.77
             3758832.80      168.19721  (17121123)
763          442733.11   3762008.67     1266.81011  (21011718)                442555.03
             3762014.43     1245.47791  (23122617)
764          442372.42   3762032.69     1261.15285  (18010505)                442471.33
             3762020.14     1252.41781  (23122617)
765          442309.05   3762003.23     1339.84556  (18010505)                442267.23
             3762011.88     1340.15711  (17011002)
766          442157.88   3762010.71     1330.36215  (18122118)                442023.53
             3762012.58     1327.60648  (17010408)
767          441918.37   3762014.94     1351.58065  (17021105)                441564.90
             3762038.22     1182.28508  (17021021)
768          441257.28   3761984.82     1321.44741  (17122617)                441170.84
             3762020.05     1226.59405  (18020521)
769          440928.18   3762012.31     1335.80334  (18010720)                440604.66
             3762010.98     1285.99664  (22021201)
770          440672.33   3761517.55     1950.10444  (18013121)                441235.13
             3761841.99     1994.59154  (22011823)
771  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
440769.54	3761316.44	1878.96517	(17022008)	440885.08	3761233.72	1371.37338	(22121708)
440942.99	3761237.37	1408.49245	(17010724)	440769.57	3761294.98	1777.80306	(17022008)
441264.79	3761237.83	1386.93698	(17022008)	441396.39	3761228.15	1325.36430	(17010724)
441633.90	3761229.53	1314.42784	(17010724)	441839.43	3761231.28	1295.79487	(17010724)
442193.26	3761092.32	706.92949	(17010724)	442736.29	3761091.73	649.79830	(17032208)
442867.08	3761089.40	650.23530	(17032208)	443107.85	3761253.32	860.02063	(23092108)
443327.70	3761050.95	553.62157	(17032208)	441881.29	3762001.44	1024.26521	(17021108)
440583.15	3761320.92	1070.47620	(17022008)	440579.83	3761299.75	1056.94395	(17022008)
440431.88	3761496.28	910.21622c	(23013008)	440335.22	3761292.06	743.53130c	(23013008)
440356.14	3761232.22	698.76644	(17022008)	439969.47	3761230.13	528.65542c	(23013008)
439868.62	3761297.08	533.67928c	(23013008)	439865.27	3761245.19	509.46305c	(23013008)
440229.76	3761288.71	680.23465c	(23013008)	439957.76	3761363.20	581.04668c	(23013008)
439870.71	3761572.02	454.74661	(21031108)	439930.56	3761556.53	478.14894	(21031108)
439870.71	3761839.42	471.72241c	(23031924)	439924.70	3761957.01	387.96916c	(23031924)
439924.28	3762099.71	376.62577c	(17020508)	439863.60	3762112.26	362.85340c	(17020508)
439873.26	3762554.88	321.28302	(23121308)	439874.80	3762661.28	301.02504	(23121308)
439927.48	3762571.08	327.46988	(23121308)	439942.64	3762649.46	311.30400	(23121308)
439874.24	3763087.57	220.77004	(21111008)	439872.56	3763272.54	201.15383	(21111008)
439876.33	3763332.38	195.37892	(21111008)	439874.24	3763445.79	195.43202c	(18081308)

```
807          439861.68   3763702.32      188.04972c (18081308)                439875.08
             3763945.45      175.75309c (18081308)
808          440074.27   3763727.01      186.02163c (18081308)                439872.56
             3764008.22      172.48593c (18081308)
809          439873.82   3764196.54      162.39787c (18081308)                439944.96
             3764712.10      129.24187c (18081308)
810          439880.10   3764775.71      128.58957c (18081308)                439880.52
             3764900.83      120.63612c (18081308)
811          439944.96   3764933.89      120.16354m (23031108)                439951.24
             3765049.81      118.59098m (23031108)
812          439880.10   3765027.63      115.26687m (23031108)                439951.66
             3765276.21      113.77714m (23031108)
813          439875.49   3765270.77      112.56761m (23031108)                439874.50
             3765815.86      101.16891m (23031108)
814          440004.83   3765814.70       99.25175m (23031108)                439865.36
             3760870.32      378.21557  (18010908)
815          439781.42   3760421.48      268.24152  (22121708)                439860.47
             3760191.14      233.70323  (22121708)
816          439923.10   3757937.26       72.16268  (21121408)                438973.38
             3754580.48       30.12000  (21121408)
817          439631.09   3762694.55      273.75054  (17020308)                442816.66
             3761641.08     1678.57714  (21020824)
818          442840.46   3762023.13      844.18220  (17021108)                442844.83
             3762050.67      826.20766  (17021108)
819          443047.82   3762051.32      756.71640  (17010424)                443029.03
             3762020.29      801.12633  (22011824)
820          443122.56   3762052.85      735.68546  (22011824)                443438.77
             3762060.83      611.37514  (22011824)
821          443421.50   3762034.46      634.78572  (22071108)                443872.88
             3762119.96      490.75287  (22071108)
822          444355.79   3762116.93      372.28820c (18101108)                445022.64
             3761785.97      298.90472  (22041008)
823          445316.67   3762043.06      266.08536  (21041408)                445303.86
             3761970.17      271.09443  (23070108)
824          445607.24   3762043.06      248.95679  (23070108)                445882.06
             3762042.08      232.82687  (23070108)
825          446067.74   3761982.48      220.34199  (23070108)                446058.87
             3762058.33      224.94506  (23070108)
826          446255.23   3762062.11      213.83044  (23070108)                446484.25
             3762227.10      190.64503  (21041408)
827          446439.92   3762290.63      186.78592c (18062108)                446749.22
             3762427.55      171.21217c (18062108)
828  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
829   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      13:44:44
830
                                PAGE  14
831   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
832
833                               *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
834                                   INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
835                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                     VOL11       , VOL12       , VOL13       ,
836                  VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                     VOL19       , VOL20       , VOL21       ,
837                  VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                     VOL27       , VOL28       ,  . . .      ,
838
839                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***
840
841                                  ** CONC OF OTHER    IN
                                  MICROGRAMS/M**3                              **
```

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842
843         X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
844     - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
845           446844.30   3762432.18      165.48298c (18062108)                447224.68
              3762429.46      152.93002c (18062108)
846           447272.39   3762441.73      150.67526c (18062108)                446893.38
              3762355.15      165.05619  (21041408)
847           447657.60   3762177.92      155.93824  (23070108)                439164.02
              3762679.50      249.74012  (23121908)
848           442309.67   3758691.58       83.53630  (23020108)                441607.59
              3758831.67       72.89839  (22022808)
849           442346.32   3758837.37       89.74225  (23020108)                442782.88
              3758835.74       80.54948  (23020108)
850           443526.49   3758833.30       56.72339  (23012324)                441007.77
              3758832.80       85.53221  (21121408)
851           442733.11   3762008.67      960.74592  (17021108)                442555.03
              3762014.43      932.84536  (21120908)
852           442372.42   3762032.69      928.93077  (21120908)                442471.33
              3762020.14      949.54251  (21120908)
853           442309.05   3762003.23      968.60958  (21120908)                442267.23
              3762011.88      966.09933  (21120908)
854           442157.88   3762010.71      945.93246  (21120908)                442023.53
              3762012.58      961.75187  (17021108)
855           441918.37   3762014.94      993.83499  (17021108)                441564.90
              3762038.22      880.22769  (21120308)
856           441257.28   3761984.82      965.29505  (21120308)                441170.84
              3762020.05      847.29121  (21120308)
857           440928.18   3762012.31      927.05730  (23121308)                440604.66
              3762010.98      733.30617  (23121308)
858           440672.33   3761517.55     1359.79182c (23013008)                441235.13
              3761841.99     1597.24656  (21120308)
859     FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
        Eucalyptus BP\16285 Ops H ***        12/18/25
860      *** AERMET - VERSION  22112 ***
         ***                                                                  ***
         13:44:44
861
                                    PAGE  15
862      *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
863
864                                 *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                    FOR SOURCE GROUP:  ALL      ***
865                                     INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                        VOL3        , VOL4        , VOL5        ,
866                   VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                      VOL11       , VOL12       , VOL13       ,
867                   VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                      VOL19       , VOL20       , VOL21       ,
868                   VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                      VOL27       , VOL28       ,  . . .      ,
869
870                                           *** DISCRETE CARTESIAN RECEPTOR POINTS ***
871
872                                        ** CONC OF OTHER    IN
                                           MICROGRAMS/M**3                          **
873
874         X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
            Y-COORD (M)        CONC     (YYMMDDHH)
875     - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
876           440769.54   3761316.44     1032.29754  (22121724)                440885.08
              3761233.72      878.62833  (17010724)
877           440942.99   3761237.37      902.95343  (17010724)                440769.57
              3761294.98      988.70208  (17010724)
```

878 441264.79 3761237.83 915.84612m (21011024) 441396.39
3761228.15 895.51194m (21011024)
879 441633.90 3761229.53 929.00561m (21011024) 441839.43
3761231.28 940.52381m (21011024)
880 442193.26 3761092.32 525.92555m (21011024) 442736.29
3761091.73 374.63674 (22012024)
881 442867.08 3761089.40 350.78144m (23031624) 443107.85
3761253.32 461.30238m (21033024)
882 443327.70 3761050.95 279.44701m (23031624) 441881.29
3762001.44 555.57998 (17011024)
883 440583.15 3761320.92 534.67666 (22121724) 440579.83
3761299.75 517.98222 (22121724)
884 440431.88 3761496.28 445.08225b (21012324) 440335.22
3761292.06 313.93837 (23032724)
885 440356.14 3761232.22 335.71111 (22011024) 439969.47
3761230.13 202.93081 (23032724)
886 439868.62 3761297.08 196.04678 (23032724) 439865.27
3761245.19 189.34048 (23032724)
887 440229.76 3761288.71 276.46636 (23032724) 439957.76
3761363.20 219.78347 (18120624)
888 439870.71 3761572.02 220.78808b (21012324) 439930.56
3761556.53 235.85069 (18120624)
889 439870.71 3761839.42 208.83981b (23031924) 439924.70
3761957.01 173.25824b (23031924)
890 439924.28 3762099.71 148.02200 (18120624) 439863.60
3762112.26 141.70227 (18120624)
891 439873.26 3762554.88 138.18906 (21110424) 439874.80
3762661.28 122.22373 (21110424)
892 439927.48 3762571.08 135.97899 (21110424) 439942.64
3762649.46 123.77855 (21110424)
893 439874.24 3763087.57 95.71014 (21111024) 439872.56
3763272.54 86.35319 (21111024)
894 439876.33 3763332.38 83.52546 (21111024) 439874.24
3763445.79 78.17255 (21111024)
895 439861.68 3763702.32 66.91519 (21111024) 439875.08
3763945.45 57.00347 (21111024)
896 440074.27 3763727.01 64.62191 (21111024) 439872.56
3764008.22 54.56816 (21111024)
897 439873.82 3764196.54 49.68636 (23032624) 439944.96
3764712.10 47.78480m (23031124)
898 439880.10 3764775.71 45.23057m (23031124) 439880.52
3764900.83 45.32528m (23031124)
899 439944.96 3764933.89 47.02987m (23031124) 439951.24
3765049.81 46.39780m (23031124)
900 439880.10 3765027.63 45.10695m (23031124) 439951.66
3765276.21 44.49198m (23031124)
901 439875.49 3765270.77 44.02481m (23031124) 439874.50
3765815.86 39.53026m (23031124)
902 440004.83 3765814.70 38.78477m (23031124) 439865.36
3760870.32 183.05230 (18122824)
903 439781.42 3760421.48 131.68301 (18010924) 439860.47
3760191.14 129.51852 (17010724)
904 439923.10 3757937.26 39.20355 (21123024) 438973.38
3754580.48 11.55086 (21121424)
905 439631.09 3762694.55 120.65000 (21110424) 442816.66
3761641.08 1040.93692m (21033024)
906 442840.46 3762023.13 457.62891 (17110224) 442844.83
3762050.67 437.30323c (23091624)
907 443047.82 3762051.32 432.89006 (17110224) 443029.03
3762020.29 453.84180 (17110224)
908 443122.56 3762052.85 419.86980 (17110224) 443438.77
3762060.83 347.94194 (23092824)
909 443421.50 3762034.46 364.35041 (23092824) 443872.88
3762119.96 271.78845 (23092824)
910 444355.79 3762116.93 207.68714 (23092824) 445022.64
3761785.97 151.22765 (17081724)

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911          445316.67   3762043.06      126.37569  (17081724)                445303.86
             3761970.17       135.71218  (17081724)
912          445607.24   3762043.06      119.82680  (17081724)                445882.06
             3762042.08       112.71718  (17081724)
913          446067.74   3761982.48      111.90697  (17081724)                446058.87
             3762058.33       107.99033  (17081724)
914          446255.23   3762062.11      103.14626  (17081724)                446484.25
             3762227.10        83.89141  (17081724)
915          446439.92   3762290.63       81.92180  (17081824)                446749.22
             3762427.55        75.23615  (17081824)
916  FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285
     Eucalyptus BP\16285 Ops H ***        12/18/25
917   *** AERMET - VERSION  22112 ***
      ***                                                                    ***
      13:44:44
918
                                    PAGE  16
919   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
920
921                                 *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                    FOR SOURCE GROUP:  ALL      ***
922                                     INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                        VOL3        , VOL4        , VOL5        ,
923                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                     VOL11       , VOL12       , VOL13       ,
924                  VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                     VOL19       , VOL20       , VOL21       ,
925                  VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                     VOL27       , VOL28       ,  . . .      ,
926
927                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***
928
929                                     ** CONC OF OTHER    IN
                                        MICROGRAMS/M**3                          **
930
931          X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
             Y-COORD (M)        CONC     (YYMMDDHH)
932   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - -
933          446844.30   3762432.18       72.81391  (17081824)                447224.68
             3762429.46        68.04268  (17081824)
934          447272.39   3762441.73       67.05075  (17081824)                446893.38
             3762355.15        72.77307  (17081824)
935          447657.60   3762177.92       73.82063  (17081724)                439164.02
             3762679.50       106.52197  (21110424)
936          442309.67   3758691.58       49.48759m (21011124)                441607.59
             3758831.67        51.17783m (21011124)
937          442346.32   3758837.37       52.52881m (21011124)                442782.88
             3758835.74        47.28824m (21011124)
938          443526.49   3758833.30       31.26599  (23020124)                441007.77
             3758832.80        44.21123  (17012924)
939          442733.11   3762008.67      504.22291c (23091624)                442555.03
             3762014.43       521.28679  (17011124)
940          442372.42   3762032.69      496.72912  (17011124)                442471.33
             3762020.14       519.96757  (17011124)
941          442309.05   3762003.23      516.10001  (17011124)                442267.23
             3762011.88       507.11972  (17011124)
942          442157.88   3762010.71      503.66149  (17011124)                442023.53
             3762012.58       515.10597  (17011124)
943          441918.37   3762014.94      533.08431  (17011024)                441564.90
             3762038.22       513.68142  (21122824)
944          441257.28   3761984.82      565.10281  (21122824)                441170.84
             3762020.05       502.69186  (22123024)
945          440928.18   3762012.31      424.86537  (22123024)                440604.66
             3762010.98       381.86443  (23021024)
946          440672.33   3761517.55      749.98949  (22121724)                441235.13
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        3761841.99     1103.53083  (17011024)
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                                                                    ***
 13:44:44

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

                                                    *** THE SUMMARY OF HIGHEST  1-HR RESULTS ***


                                    ** CONC OF OTHER    IN MICROGRAMS/M**3                                  **


                                                                 DATE

                                                                   NETWORK
GROUP ID                              AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS    2478.43009  ON 18010901: AT (  440769.54,  3761316.44,   204.20,   204.20,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                                                                    ***
 13:44:44

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

                                                    *** THE SUMMARY OF HIGHEST  8-HR RESULTS ***


                                    ** CONC OF OTHER    IN MICROGRAMS/M**3                                  **


                                                                 DATE

                                                                   NETWORK
GROUP ID                              AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS    1878.96517  ON 17022008: AT (  440769.54,  3761316.44,   204.20,   204.20,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
```

```
                     DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                                                                    ***
 13:44:44

                                PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                                    *** THE SUMMARY OF HIGHEST 24-HR RESULTS ***


                                    ** CONC OF OTHER    IN MICROGRAMS/M**3                          **


                                                                 DATE

                                                                   NETWORK
GROUP ID                              AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS    1103.53083  ON 17011024: AT (  441235.13, 3761841.99,   208.89,   208.89,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 24142  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\16285 Eucalyptus BP\16285 Ops H ***        12/18/25
 *** AERMET - VERSION  22112 ***
 ***                                                                                                                    ***
 13:44:44

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

 *** Message Summary : AERMOD Model Execution ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of          419 Warning Message(s)
 A Total of         1967 Informational Message(s)

 A Total of        43800 Hours Were Processed

 A Total of         1244 Calm Hours Identified

 A Total of          723 Missing Hours Identified (  1.65 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     234       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
 ME W187     234       MEOPEN: ADJ_U* Option for Stable Low Winds used in
```

```
      AERMET
1037  CN W733     144         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017010624
1038  CN W733     176         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017010808
1039  CN W732     192         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2017010824
1040  CN W733     464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017012008
1041  CN W733     472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017012016
1042  CN W732     480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2017012024
1043  CN W733    1168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017021816
1044  CN W732    1176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2017021824
1045  CN W733    1952         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017032308
1046  CN W733    1960         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017032316
1047  CN W733    1976         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017032408
1048  CN W733    2024         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017032608
1049  CN W733    2032         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017032616
1050  CN W732    2040         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2017032624
1051  CN W733    8096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017120408
1052  CN W733    8760         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2017123124
1053  CN W733    9096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018011424
1054  CN W733    9120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018011524
1055  CN W732    9120         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2018011524
1056  CN W733    9152         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018011708
1057  CN W732    9168         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2018011724
1058  CN W733    9256         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018012116
1059  CN W733    9336         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018012424
1060  CN W733    9384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018012624
1061  CN W733    9392         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018012708
1062  CN W733    9400         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018012716
1063  CN W732    9408         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2018012724
1064  CN W733    9472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018013016
1065  CN W733    9512         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018020108
1066  CN W733    9536         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018020208
1067  CN W732    9552         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2018020224
1068  CN W733    9624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018020524
1069  CN W733    9632         AVER: 8-hr avg, < 6 hours of data, calms policy used.
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2018020608
CN W733 9640 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020616
CN W732 9648 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020624
CN W733 9656 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020708
CN W733 9664 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020716
CN W733 9672 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020724
CN W732 9672 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020724
CN W733 9704 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020908
CN W733 9712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018020916
CN W732 9720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018020924
CN W733 9744 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021024
CN W733 9752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021108
CN W733 9776 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021208
CN W733 9872 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021608
CN W733 9880 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018021616
CN W732 9888 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018021624
CN W733 9992 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018022108
CN W733 10048 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018022316
CN W733 10088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018022508
CN W733 10208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030208
CN W733 10216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030216
CN W732 10224 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030224
CN W733 10264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030416
CN W733 10272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030424
CN W732 10272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030424
CN W733 10280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030508
CN W733 10360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030816
CN W732 10368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030824
CN W733 10416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018031024
CN W733 10648 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032016
CN W733 10800 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032624
CN W733 10856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018032908
CN W732 10872 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018032924
CN W733 11056 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2018040616
1103 CN W733 11552 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018042708
1104 CN W733 11712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018050324
1105 CN W733 11720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018050408
1106 CN W733 11960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051408
1107 CN W733 11984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051508
1108 CN W733 12056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018051808
1109 CN W733 12176 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018052308
1110 CN W733 12400 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060116
1111 CN W733 12408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060124
1112 CN W732 12408 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018060124
1113 CN W733 12416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060208
1114 CN W733 13184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070408
1115 CN W733 13192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070416
1116 CN W733 13200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070424
1117 CN W732 13200 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018070424
1118 CN W733 13240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070616
1119 CN W733 13280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018070808
1120 CN W732 13296 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018070824
1121 CN W733 13448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071508
1122 CN W732 13464 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018071524
1123 CN W733 13480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018071616
1124 CN W733 13664 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072408
1125 CN W732 13680 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072424
1126 CN W733 13688 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072508
1127 CN W732 13704 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018072524
1128 CN W733 13760 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018072808
1129 CN W733 13832 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018073108
1130 CN W733 14000 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018080708
1131 CN W733 14336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082108
1132 CN W733 14480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082708
1133 CN W733 14488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018082716
1134 CN W732 14496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018082724
1135 CN W733 14784 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2018090824
1136 CN W733 14960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091608
1137 CN W732 14976 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091624
1138 CN W733 15008 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091808
1139 CN W733 15016 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091816
1140 CN W732 15024 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091824
1141 CN W733 15032 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091908
1142 CN W733 15040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018091916
1143 CN W732 15048 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018091924
1144 CN W733 15224 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018092708
1145 CN W733 15520 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018100916
1146 CN W733 15624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018101324
1147 CN W733 15816 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102124
1148 CN W732 15816 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018102124
1149 CN W733 15864 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102324
1150 CN W733 15872 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102408
1151 CN W733 15936 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102624
1152 CN W733 15984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018102824
1153 CN W733 16200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110624
1154 CN W733 16208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110708
1155 CN W733 16216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018110716
1156 CN W732 16224 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018110724
1157 CN W733 16344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111224
1158 CN W733 16392 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111424
1159 CN W733 16480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111816
1160 CN W733 16488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111824
1161 CN W732 16488 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018111824
1162 CN W733 16496 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111908
1163 CN W733 16504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018111916
1164 CN W732 16512 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018111924
1165 CN W733 16536 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018112024
1166 CN W733 16720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018112816
1167 CN W733 16752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018112924
1168 CN W733 16952 AVER: 8-hr avg, < 6 hours of data, calms policy used.

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      2018120808
1169  CN W732   16968         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2018120824
1170  CN W733   17000         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018121008
1171  CN W733   17008         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018121016
1172  CN W732   17016         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2018121024
1173  CN W733   17104         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018121416
1174  CN W733   17136         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018121524
1175  CN W733   17192         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018121808
1176  CN W732   17208         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2018121824
1177  CN W733   17328         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018122324
1178  CN W733   17376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018122524
1179  CN W733   17384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2018122608
1180  MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:
      21010101
1181  MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2
      year gap
1182  CN W733   17568         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010224
1183  CN W733   17576         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010308
1184  CN W733   17616         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010424
1185  CN W733   17624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010508
1186  CN W733   17640         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010524
1187  CN W732   17640         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021010524
1188  CN W733   17648         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010608
1189  CN W733   17728         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021010916
1190  CN W732   17736         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021010924
1191  CN W733   17752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021011016
1192  CN W732   17760         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021011024
1193  CN W733   17776         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021011116
1194  CN W732   17784         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021011124
1195  CN W733   17800         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021011216
1196  CN W732   17808         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021011224
1197  CN W733   18064         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021012316
1198  CN W732   18072         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021012324
1199  CN W733   18088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2021012416
1200  CN W732   18096         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2021012424
1201  CN W733   18112         AVER: 8-hr avg, < 6 hours of data, calms policy used.
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2021012516
1202 CN W732 18120 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012524
1203 CN W733 18224 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013008
1204 CN W733 18232 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013016
1205 CN W733 18240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013024
1206 CN W732 18240 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013024
1207 CN W733 18248 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013108
1208 CN W733 18256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021013116
1209 CN W732 18264 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021013124
1210 CN W733 18408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021020624
1211 CN W733 18416 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021020708
1212 CN W733 18840 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021022424
1213 CN W732 18840 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021022424
1214 CN W733 18848 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021022508
1215 CN W733 18976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030216
1216 CN W733 18984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030224
1217 CN W732 18984 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021030224
1218 CN W733 18992 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021030308
1219 CN W733 19264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031416
1220 CN W732 19272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031424
1221 CN W733 19352 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031808
1222 CN W733 19360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031816
1223 CN W732 19368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031824
1224 CN W733 19440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021032124
1225 CN W733 19448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021032208
1226 CN W733 19648 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021033016
1227 CN W732 19656 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021033024
1228 CN W733 19728 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040224
1229 CN W733 19736 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040308
1230 CN W733 19744 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040316
1231 CN W732 19752 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021040324
1232 CN W733 19760 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040408
1233 CN W733 19768 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021040416
1234 CN W732 19776 AVER: 24-hr avg, < 18 hours of data, calms policy used.

2021040424
CN W733 19904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021041008
CN W733 19960 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021041216
CN W733 20168 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042108
CN W733 20216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042308
CN W733 20240 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042408
CN W733 20264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042508
CN W733 20320 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042716
CN W733 20360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042908
CN W733 20368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021042916
CN W732 20376 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021042924
CN W733 20408 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050108
CN W732 20424 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050124
CN W733 20472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050324
CN W733 20480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050408
CN W732 20496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050424
CN W733 20504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050508
CN W732 20520 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021050524
CN W733 20528 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021050608
CN W733 21200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060308
CN W733 21208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060316
CN W732 21216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021060324
CN W733 21752 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021062608
CN W733 22248 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071624
CN W733 22256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071708
CN W733 22264 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071716
CN W733 22272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071724
CN W732 22272 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021071724
CN W733 22280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071808
CN W733 22288 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071816
CN W733 22296 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071824
CN W732 22296 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021071824
CN W733 22304 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021071908
CN W732 22320 AVER: 24-hr avg, < 18 hours of data, calms policy used.

2021071924
CN W733 22976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021081608
CN W733 23368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021090116
CN W732 23376 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021090124
CN W733 23632 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021091216
CN W733 24256 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100816
CN W732 24264 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100824
CN W733 24280 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100916
CN W732 24288 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100924
CN W733 25120 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021111316
CN W733 25160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021111508
CN W732 25176 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021111524
CN W733 25376 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112408
CN W733 25424 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112608
CN W733 25432 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112616
CN W733 25440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112624
CN W732 25440 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112624
CN W733 25448 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112708
CN W733 25456 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021112716
CN W732 25464 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021112724
CN W733 25784 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021121108
CN W733 26336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022010308
CN W733 26344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022010316
CN W732 26352 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022010324
CN W733 28040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022031508
CN W733 28048 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022031516
CN W733 29488 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022051416
CN W732 29496 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022051424
CN W733 30208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022061316
CN W732 30216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022061324
CN W733 31216 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022072516
CN W733 31624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022081116
CN W732 31632 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022081124
CN W733 31880 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2022082208
CN W733 31888 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022082216
CN W732 31896 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022082224
CN W733 32320 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022090916
CN W732 32328 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022090924
CN W733 32336 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091008
CN W733 32360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091108
CN W733 32384 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091208
CN W732 32400 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022091224
CN W733 32440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091416
CN W733 32504 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091708
CN W733 32512 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091716
CN W732 32520 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022091724
CN W733 32552 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022091908
CN W733 32816 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022093008
CN W733 32936 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022100508
CN W733 32944 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022100516
CN W732 32952 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022100524
CN W733 33288 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022101924
CN W733 33856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111216
CN W732 33864 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111224
CN W733 33880 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111316
CN W732 33888 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111324
CN W733 33896 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111408
CN W733 33904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111416
CN W732 33912 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111424
CN W733 33928 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022111516
CN W732 33936 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022111524
CN W733 34184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022112608
CN W733 34360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022120316
CN W732 34368 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2022120324
CN W733 34976 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2022122908
CN W733 35528 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012108
CN W733 35536 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2023012116
CN W732 35544 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012124
CN W733 35720 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023012908
CN W732 35736 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023012924
CN W733 35768 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023013108
CN W733 35904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023020524
CN W733 36088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021316
CN W732 36096 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021324
CN W733 36160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023021616
CN W732 36168 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023021624
CN W733 36440 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023022808
CN W733 36608 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023030708
CN W732 36624 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023030724
CN W733 36688 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031016
CN W732 36696 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031024
CN W733 36712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031116
CN W732 36720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031124
CN W733 36736 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031216
CN W732 36744 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031224
CN W733 36832 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031616
CN W732 36840 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031624
CN W733 36856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031716
CN W733 36896 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031908
CN W733 36912 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023031924
CN W732 36912 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023031924
CN W733 36920 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023032008
CN W732 36936 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023032024
CN W733 37160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033008
CN W733 37184 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033108
CN W733 37192 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033116
CN W733 37200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023033124
CN W732 37200 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023033124
CN W733 37360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023040716
CN W732 37368 AVER: 24-hr avg, < 18 hours of data, calms policy used.

2023040724
CN W733 37904 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023043008
CN W733 38368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023051916
CN W732 38376 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023051924
CN W733 38824 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060716
CN W733 38840 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023060808
CN W733 38968 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061316
CN W733 38984 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061408
CN W733 39016 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061516
CN W733 39040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061616
CN W733 39056 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061708
CN W732 39072 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023061724
CN W733 39080 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061808
CN W733 39104 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023061908
CN W733 39128 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062008
CN W733 39136 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062016
CN W732 39144 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062024
CN W733 39152 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062108
CN W733 39160 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062116
CN W732 39168 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062124
CN W733 39176 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062208
CN W733 39200 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062308
CN W733 39208 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062316
CN W732 39216 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062324
CN W733 39224 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062408
CN W733 39232 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062416
CN W732 39240 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062424
CN W733 39248 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062508
CN W732 39264 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062524
CN W733 39272 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062608
CN W732 39288 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062624
CN W733 39296 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023062708
CN W732 39312 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062724
CN W733 39344 AVER: 8-hr avg, < 6 hours of data, calms policy used.

2023062908
CN W732 39360 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023062924
CN W733 39368 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023063008
CN W733 39712 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023071416
CN W732 39720 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023071424
CN W733 40080 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023072924
CN W733 40088 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073008
CN W732 40104 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073024
CN W733 40112 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073108
CN W733 40120 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023073116
CN W732 40128 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023073124
CN W733 40136 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023080108
CN W732 40152 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023080124
CN W733 40624 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082116
CN W733 40640 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023082208
CN W733 40856 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023083108
CN W733 41040 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023090724
CN W733 41144 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023091208
CN W733 41392 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092216
CN W732 41400 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023092224
CN W733 41472 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092524
CN W733 41480 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023092608
CN W733 41728 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100616
CN W733 41808 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023100924
CN W733 41864 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101208
CN W732 41880 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101224
CN W733 41944 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023101516
CN W732 41952 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023101524
CN W733 42328 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023103116
CN W733 42344 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110108
CN W733 42352 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110116
CN W733 42360 AVER: 8-hr avg, < 6 hours of data, calms policy used.
2023110124
CN W732 42360 AVER: 24-hr avg, < 18 hours of data, calms policy used.
2023110124
CN W733 42368 AVER: 8-hr avg, < 6 hours of data, calms policy used.

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      2023110208
1433  CN W733   42376         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110216
1434  CN W732   42384         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023110224
1435  CN W733   42400         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110316
1436  CN W732   42408         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023110324
1437  CN W733   42424         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110416
1438  CN W733   42432         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110424
1439  CN W732   42432         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023110424
1440  CN W733   42440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110508
1441  CN W733   42448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110516
1442  CN W733   42456         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110524
1443  CN W732   42456         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023110524
1444  CN W733   42464         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110608
1445  CN W733   42472         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110616
1446  CN W732   42480         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023110624
1447  CN W733   42488         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110708
1448  CN W733   42496         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023110716
1449  CN W732   42504         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023110724
1450  CN W733   43216         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023120716
1451  CN W732   43224         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023120724
1452  CN W733   43672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
      2023122616
1453  CN W732   43680         AVER: 24-hr avg, < 18 hours of data, calms policy used.
      2023122624
1454
1455     ************************************
1456     *** AERMOD Finishes Successfully ***
1457     ************************************
1458
1459
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APPENDIX 3.13:

OVERLAP OF CONSTRUCTION AND OPERATIONAL EMISSIONS

Phase 1 and 2 Overlap

Source	Emissions (lbs/day)					
	ROG	NO_X	CO	SO_2	$PM_{10}T$	$PM_{2.5}T$
Summer						
Phase 1 Operation	55.12	84.20	335.45	1.01	60.12	16.73
Phase 2 Construction	50.64	47.34	72.64	0.19	13.31	5.28
Winter						
Phase 1 Operation	41.97	87.50	232.43	0.98	59.98	16.63
Phase 2 Construction	50.26	47.92	71.89	0.19	11.83	5.02
Maximum Daily Emissions	105.75	135.42	408.09	1.20	73.44	22.02

Phase 1, 2, and 3 Overlap

Source	Emissions (lbs/day)					
	ROG	NO_X	CO	SO_2	$PM_{10}T$	$PM_{2.5}T$
Summer						
Phase 1 and 2 Operation	107.39	162.38	648.49	2.08	133.76	36.78
Phase 3 Construction	61.19	46.19	71.43	0.19	12.66	5.16
Winter						
Phase 1 and 2 Operation	89.00	169.30	486.85	2.01	133.58	36.64
Phase 2 Construction	61.13	46.71	71.02	0.19	11.77	5.00
Maximum Daily Emissions	168.58	216.01	719.92	2.27	146.42	41.94

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