# Baker Lake Elsinore

## AIR QUALITY IMPACT ANALYSIS

### CITY OF LAKE ELSINORE

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# LIST OF ABBREVIATED TERMS

| | |
|---|---|
| % | Percent |
| °F | Degrees Fahrenheit |
| (1) | Reference |
| µg/$m^3$ | Microgram per Cubic Meter |
| *1992 CO Plan* | *1992 Federal Attainment Plan for Carbon Monoxide* |
| *1993 CEQA Handbook* | SC*AQMD's CEQA Air Quality Handbook (1993)* |
| *2020-2045 RTP/SCS* | *2020-2045 Regional Transportation Plan/Sustainable Communities Strategy* |
| AB 2595 | California Clean Air Act |
| AQIA | Air Quality Impact Analysis |
| AQMP | Air Quality Management Plan |
| BACT | Best Available Control Technology |
| $C_2H_3Cl$ | Vinyl Chloride |
| 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* | *CEQA Statute and Guidelines* |
| City | City of Lake Elsinore |
| CO | Carbon Monoxide |
| COHb | Carboxyhemoglobin |
| EC | Elemental Carbon |
| EIR | Environmental Impact Report |
| EMFAC | Emissions FACtor Model |
| EPA | Environmental Protection Agency |
| EV | Electric Vehicle |
| GHG | Greenhouse Gas |
| $H_2S$ | Hydrogen Sulfide |
| HDT | Heavy-Duty Trucks |
| HHDT | Heavy-Heavy-Duty Trucks |

| | |
|---|---|
| HI | Hazard Index |
| hp | Horsepower |
| lbs | Pounds |
| lbs/day | Pounds Per Day |
| LDA | Light Duty Auto |
| LDT1/LDT2 | Light-Duty Trucks |
| LHDT1/LHDT2 | Light-Heavy-Duty Trucks |
| 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 |
| 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 | Baker Lake Elsinore |
| 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 |
| vph | Vehicles Per Hour |

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# EXECUTIVE SUMMARY

## ES.1 SUMMARY OF FINDINGS

The results of this *Baker Lake Elsinore Air Quality Impact Analysis* (AQIA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the *Guidelines for Implementation of the California Environmental Quality Act* (*CEQA Guidelines*) (1). Table ES-1 shows the findings of significance for each potential air quality impact under the California Environmental Quality Act (CEQA).

**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 | 3.7 | *Less Than Significant* | *n/a* |
| Regional Operational Emissions | 3.5 | *Potentially Significant* | *Significant and Unavoidable* |
| Localized Operational Emissions | 3.8 | *Less Than Significant* | *n/a* |
| CO "Hot Spot" Analysis | 3.9 | *Less Than Significant* | *n/a* |
| Air Quality Management Plan | 3.10 | *Potentially Significant* | *Significant and Unavoidable* |
| Sensitive Receptors | 3.12 | *Less Than Significant* | *n/a* |
| Odors | 3.13 | *Less Than Significant* | *n/a* |
| Cumulative Impacts | 3.14 | *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

SCAQMD Rules that are currently applicable during construction activity for 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.

***Odor Emissions.*** All uses shall be operated in a manner such that no offensive odor is perceptible at or beyond the property line of that use.

### 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 South Coast Air Basin. 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 South Coast Air Basin 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 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 (Fugitive Dust) and Rule 1113 (Architectural Coatings) have been taken in the analysis. Rule 403 (Fugitive Dust) was accounted for in CalEEMod by applying three times a day of watering under Dust from Material Movement and Rule 1113 (Architectural Coatings) was accounted for by changing the Non-Residential Interior and Exterior VOC content to 50 g/L under Architectural Coatings.

## ES.3 CITY OF LAKE ELSINORE GOOD NEIGHBOR GUIDELINES

The City of Lake Elsinore adopted the Good Neighbor Policy for Logistics and Warehouse/Distribution Uses (Policy Number 400-16) on April 25, 2023 (4). The goal of this policy is to provide a framework through which large-scale logistics and warehouse projects can be designed and operated in a way that lessens any impacts on surrounding communities and the environment. The guidelines require the following standards to be implemented for warehousing facilities within the City:

- All construction and grading related activities shall comply with the South Coast Air Quality Management District (SCAQMD) Regulations in effect at the time work commences.
- The following environmentally responsible practices shall be required during construction:
    - The highest rated California Air Resources Board (CARB) tier of construction equipment available shall be utilized.
    - Electric-powered hand tools, forklifts, aerial lifts, materials lifts, hoists, pressure washers, plate compactors, and air compressors shall be used.

  - Designation of an area in any construction site where electric-powered construction vehicles and equipment can charge if the utility provider can provide temporary power for this purpose.
  - Identification in site plans of a location for future electric truck charging stations and installation of a conduit to that location.

- A Property Maintenance Program shall be submitted for review and approval by the Community Development Director or designee prior to the issuance of building permits. The program shall provide for the regular maintenance of building structures, landscaping, and paved surfaces in good physical condition, and appearance. The methods and maximum intervals for maintenance of each component shall be specified in the program.
- Facility operators shall coordinate with CARB and SCAQMD to obtain the latest information about regional air quality concentrations, health risks, and trucking regulations.
- The applicant shall place a weatherproof sign at the entrance to the project site identifying the approved days and hours of construction activity and install signage that clearly identifies the contact information of the development manager.
- Facility hours of business operation for projects with buildings located within 1,000 feet of a sensitive receptor shall be reviewed on a project-by-project basis. At no time shall refrigerated trucks parked outdoors run and/or idle outside of the facility hours of operation. Changes to the hours of operation shall be reviewed on a project-by-project basis and shall be included in the Conditions of Approval for the project.
- A City representative shall conduct periodic on-site inspections during and after construction to verify compliance or recommend better efforts toward compliance during grading, construction, and operational activities.

## ES.4 PROJECT MITIGATION MEASURES

### ES.4.1 CONSTRUCTION-SOURCE MMS

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

### ES.4.2 OPERATIONAL-SOURCE MMS

Unmitigated Project operational-source $NO_X$ emissions would exceed applicable SCAQMD regional significance thresholds. The predominance of the Project's operational-source emissions is generated by passenger cars 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-10) are designed to reduce Project operational-source $NO_X$ 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-10, 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**

Prior to receipt of occupancy permits, the Project shall install passenger car EV charging stations and designated carpool parking stalls per the provisions of the California Green Building Standards Code and require that each building be constructed with an adequately sized electrical panel(s) and conduit to accommodate EV charging stations at a minimum of 5 percent of the passenger car parking spaces.

**MM AQ-3**

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-4**

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-5**

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-6**

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-7**

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-8**

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 (Source: City of Palmdale General Plan EIR, 2022).

**MM AQ-9**

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.

**MM AQ-10**

The City occupancy permitting shall require that all facility-owned and operated fleet equipment with a gross vehicle weight rating greater than 14,000 pounds accessing the site meet or exceed 2014 model-year emissions equivalent engine standards as currently defined in California Code of Regulations Title 13, Division 3, Chapter 1, Article 4.5, Section 2025. Facility operators which own vehicles subject to Section 2025 shall maintain records on-site demonstrating compliance with this requirement and shall make records available for inspection by the local jurisdiction, air district, and state upon request.

## ES.5 PROJECT DESIGN FEATURES

### ES.5.1 OPERATIONAL-SOURCE PDFS

Sustainable design features and operational programs would be incorporated into facilities developed pursuant to the currently proposed Project. The Project also incorporates and expresses the following project design features and attributes promoting sustainability. The following measures are incorporated as part of the Project design:

**PDF AQ-1**

The Project shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks that is away from sensitive receptors. The general queuing and spill-over of trucks onto surrounding public streets shall be prevented. Commercial trucks shall not be parked in the public road right-of-way or nearby residential areas.

**PDF AQ- 2**

The proposed truck driveways are placed on streets that do not have fronting sensitive receptors.

**PDF AQ- 3**

The Project sites shall be densely screened with landscaping along all bordering streets and site boundaries, with trees spaced no further apart than 25 feet on center. Fifty percent of the landscape screening shall include a minimum of 36- inch box trees. Truck courts would be further screened from the right-of-way by screen walls. Facility operators will be responsible to establish a long-term maintenance mechanism to assure that the landscaping remains in place and functional in accordance with the approved landscaping plan.

**PDF AQ- 4**

Upon exceedance of 250 employees facility operations will establish a rideshare and Commute trip reduction program, such as IE Commuter, in accordance with AQMD Rule 2202, with the intent of discouraging single-occupancy vehicle trips and promote alternate modes of transportation, such as carpooling and transit where feasible.

**PDF AQ- 5**

Prior to receipt of occupancy permits the Project Developer/Owner/Operator shall post signs that all parking of trucks must be within designated on-site areas and not within the surrounding community or public streets.

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# 1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Baker Lake Elsinore Project (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 proposed project is located southeast of Pierce and Baker Street in the City of Lake Elsinore, as shown in Exhibit 1-A.

## 1.2 PROJECT DESCRIPTION

The Project will consist of constructing two new warehouse buildings and related onsite improvements on the 65.81-acres site. The 33.65 acres of land opposite the industrial development will be used for future restoration activities. A preliminary site plan for the proposed Project is shown on Exhibit 1-B.

The Project will consist of two new warehouse buildings totaling a combined 1,000,451 SF[1]. Building 1 will be 212,028 SF, inclusive of 5,000 SF of ground floor office, 5,000 SF of mezzanine, and include 23 dock doors along the southwest side of the building. Building 2 will be 788,423 SF inclusive of 10,000 SF of ground floor office, 10,000 SF of mezzanine, and include 110 dock doors along the northeast side of the building. Building 1 will be located at the northwestern end of the site and Building 2 will be located at the southeastern end of the site. Additionally, the Project will include 887,000[2] SF of landscaping area, 466 parking stalls, and 389 trailer parking stalls. Construction of the proposed Project is expected to begin in April 2026 and last through August 2027 over a duration of 16 months, with an anticipated Opening Year of 2027. The site is currently developed with existing uses/structures which total approximately 2,336 SF that will be demolished. Grading activities will require 50,000 cubic yards of export for earthwork activities.

To support the Project development, off-site improvements will be limited to Baker Street and Nichols Street, the Baker Street realignment to Nichols Street, and include improvements from Pierce Street to Hoff Ave southwest of the site. There will be lift station improvements to the temporary lift station at the intersection of Pierce Street and Nichols Street. Additionally, installation of approximately 7,650 feet of 16-inch force main is anticipated at Nichols Road and Collier Avenue to a discharge manhole at the intersection of Collier Avenue and Riverside Drive. Construction of the off-site/lift station and roadway improvements is expected to begin in August

[1] It should be noted that the TIA report analyzed 90% (900,4059 SF) high-cube cold storage and 10% (100,045 SF) manufacturing. However, given that the high-cube buildings are designed with flexibility to accommodate 10% manufacturing and 10% cold storage uses, the building was analyzed as 80% high cube fulfillment (800,361), 10% manufacturing (100,045 SF), and 10% cold storage (100,451 SF) utilizing the trips disclosed in the TIA report.

[2] It should be noted that for modeling purposes the slightly larger 889,300 SF landscape was utilized as a conservative measure and is reflected in CalEEMod.

2025 and last through May 2027 over a duration of 20 months, with an anticipated Opening Year of 2027.

Trip characteristics available from the Baker Lake Elsinore Traffic Impact Analysis were utilized in this analysis (5). Per the Baker Lake Elsinore Traffic Analysis, the proposed Project is expected to generate approximately 2,384 total trips per day, consisting of 1,400 passenger car trips and 984 truck trips. It should be noted that the TIA report analyzed 90% (900,4059 SF) high-cube cold storage and 10% (100,045 SF) manufacturing. However, given that the high-cube buildings are designed with flexibility to accommodate 10% manufacturing and 10% cold storage uses, the building was analyzed as 80% high cube fulfillment (800,361), 10% manufacturing (100,045 SF), and 10% cold storage (100,451 SF) utilizing the trips disclosed in the TIA report. As such, the high cube fulfillment warehouse land use was analyzed utilizing the cold storage ITE trip rates and vehicle class from the TIA.

**OPERATIONAL-SOURCE PDFS**

Sustainable design features and operational programs would be incorporated into facilities developed pursuant to the currently proposed Project. The Project also incorporates and expresses the following project design features and attributes promoting sustainability. The following measures are incorporated as part of the Project design:

**PDF AQ-1**

The Project shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks that is away from sensitive receptors. The general queuing and spill-over of trucks onto surrounding public streets shall be prevented. Commercial trucks shall not be parked in the public road right-of-way or nearby residential areas.

**PDF AQ- 2**

The proposed truck driveways are placed on streets that do not have fronting sensitive receptors.

**PDF AQ- 3**

The Project sites shall be densely screened with landscaping along all bordering streets and site boundaries, with trees spaced no further apart than 25 feet on center. Fifty percent of the landscape screening shall include a minimum of 36- inch box trees. Truck courts would be further screened from the right-of-way by screen walls. Facility operators will be responsible to establish a long-term maintenance mechanism to assure that the landscaping remains in place and functional in accordance with the approved landscaping plan.

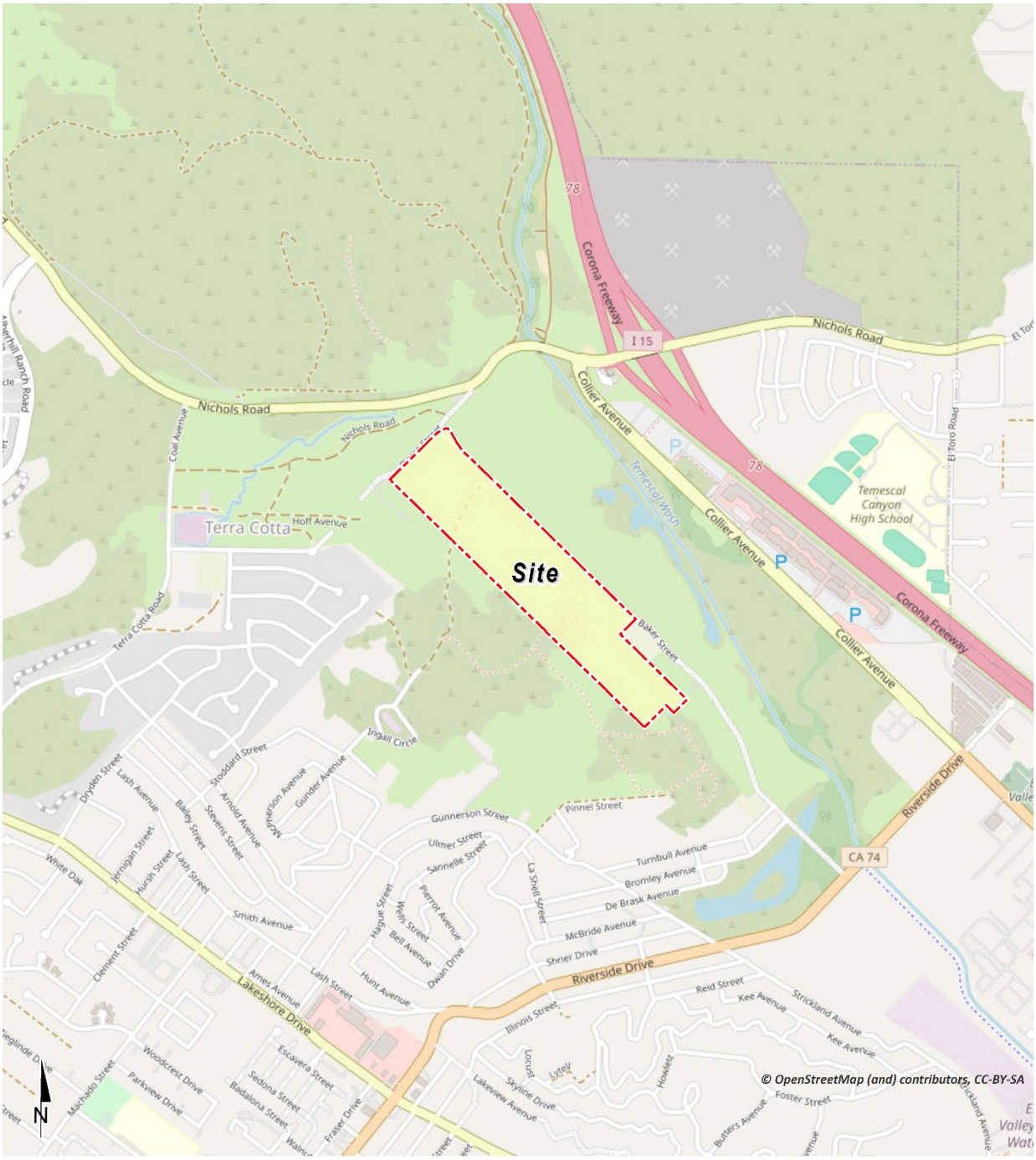
**PDF AQ- 4**

Upon exceedance of 250 employees facility operations will establish a rideshare and Commute trip reduction program, such as IE Commuter, in accordance with AQMD Rule 2202, with the intent of discouraging single-occupancy vehicle trips and promote alternate modes of transportation, such as carpooling and transit where feasible.

**PDF AQ- 5**

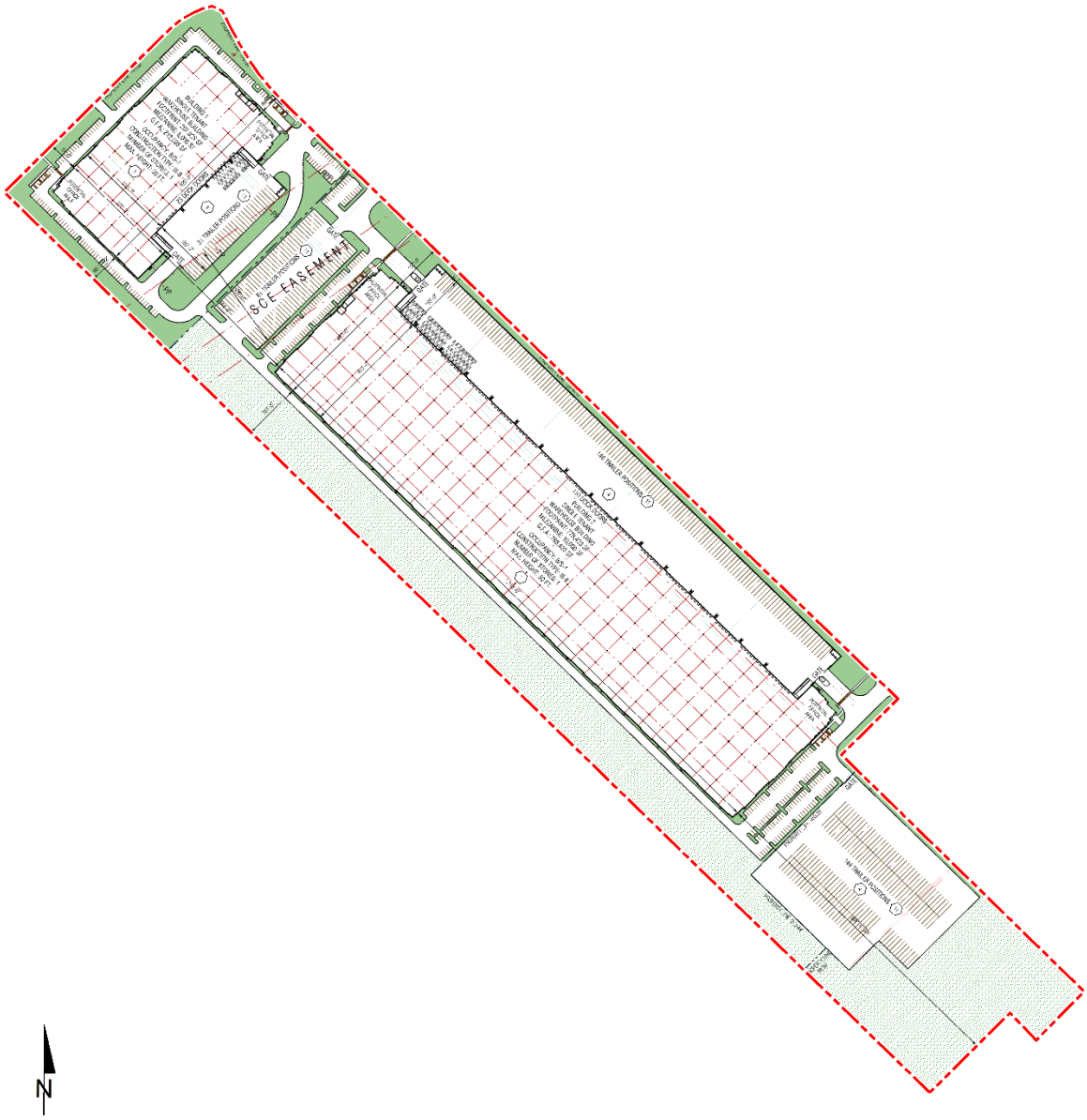
Prior to receipt of occupancy permits the Project Developer/Owner/Operator shall post signs that all parking of trucks must be within designated on-site areas and not within the surrounding community or public streets.

## EXHIBIT 1-A: LOCATION MAP




**LEGEND:**

## EXHIBIT 1-B: PRELIMINARY SITE PLAN

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# 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 (6). 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 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 CRITERIA 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 (7).

**TABLE 2-1: CRITERIA POLLUTANTS**

| 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 $O_2$ |

| Criteria Pollutant | Description | Sources | Health Effects |
|---|---|---|---|
| | | | 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 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 ($SO_X$). | Coal or oil burning power plants and industries, refineries, diesel engines | A few minutes of exposure to low levels of $SO_2$ can result in airway constriction 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 $SO_2$.<br><br>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.<br><br>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 |

| Criteria Pollutant | Description | Sources | Health Effects |
|---|---|---|---|
| | | | whether the two pollutants act synergistically, or one pollutant alone is the predominant factor. |
| $NO_2$ | $NO_2$ 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.<br><br>$NO_2$, 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.<br><br>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.<br><br>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 $NO_2$. |

| Criteria Pollutant | Description | Sources | Health Effects |
|---|---|---|---|
| $O_3$ | $O_3$ is a highly reactive and unstable gas that is formed when VOCs and $NO_X$, both 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. | Formed when ROGs and $NO_X$ react in the 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. | Individuals exercising outdoors, children, and people with preexisting lung 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.<br><br>$O_3$ 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 diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to |

| Criteria Pollutant | Description | Sources | Health Effects |
|---|---|---|---|
| | | | 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.<br><br>$PM_{2.5}$: 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 weather conditions. $PM_{2.5}$ is a criteria air pollutant. | 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.<br><br>$PM_{2.5}$ 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.<br><br>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.<br><br>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 $PM_{2.5}$. |

| Criteria Pollutant | Description | Sources | Health Effects |
|---|---|---|---|
| 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.<br><br>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 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 (7).

**TABLE 2-2: ADDITIONAL POLLUTANTS**

| 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 criteria pollutant. The terms VOC and ROG (see below) interchangeably. | 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. |
| 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. |

| Pollutant | Description | Sources | Health Effects |
|---|---|---|---|
| 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 (8). | 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 (9).

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 (10).

**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 ...**

For more information please call ARB-PIO at (916) 322-2990 — 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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## 2.6 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 (11). 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 (12). 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 | Unclassifiable/Attainment |
| $NO_2$ | Attainment | Unclassifiable/Attainment |
| $SO_2$ | Attainment | Unclassifiable/Attainment |
| Pb[3] | Attainment | Unclassifiable/Attainment |

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

## 2.7 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 provide information regarding air quality conditions to Southern California residents. The Project site is located within SRA 25. Within SRA 25, the Lake Elsinore Area monitoring station is located approximately 2.45 miles southeast of the Project site and reports air quality statistics for $O_3$, CO, $NO_2$, and $PM_{10}$. As the Lake Elsinore Area monitoring station does not provide data for $PM_{2.5}$, the next nearest monitoring stations will be utilized. Data for $PM_{2.5}$ was obtained from the Metropolitan Riverside County 1 monitoring station, located in SRA 23, approximately 20.63 miles north of the Project site. Data from the Metropolitan Riverside County 1 monitoring stations were utilized only in instances where data was not available from the Lake Elsinore Area monitoring station.

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 2021 through 2023 was obtained from the SCAQMD Air Quality Data Tables (13). Additionally,

[3] The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

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 2021-2023**

| Pollutant | Standard | Year | | |
|---|---|---|---|---|
| | | 2021 | 2022 | 2023 |
| $O_3$ | | | | |
| Maximum Federal 1-Hour Concentration (ppm) | | 0.118 | 0.121 | 0.120 |
| Maximum Federal 8-Hour Concentration (ppm) | | 0.097 | 0.091 | 0.103 |
| Number of Days Exceeding State 1-Hour Standard | > 0.09 ppm | 18 | 17 | 10 |
| Number of Days Exceeding State/Federal 8-Hour Standard | > 0.070 ppm | 46 | 37 | 35 |
| CO | | | | |
| Maximum Federal 1-Hour Concentration | > 35 ppm | 0.9 | 0.9 | 1.3 |
| Maximum Federal 8-Hour Concentration | > 20 ppm | 0.8 | 0.6 | 0.7 |
| $NO_2$ | | | | |
| Maximum Federal 1-Hour Concentration | > 0.100 ppm | 0.044 | 0.037 | 0.042 |
| Annual Federal Standard Design Value | | 0.007 | 0.007 | 0.007 |
| $PM_{10}$ | | | | |
| Maximum Federal 24-Hour Concentration (µg/m$^3$) | > 150 µg/m$^3$ | 89 | 91 | 186 |
| Annual Federal Arithmetic Mean (µg/m$^3$) | | 21.4 | 19.8 | 20.8 |
| Number of Days Exceeding Federal 24-Hour Standard | > 150 µg/m$^3$ | 0 | 0 | 1 |
| Number of Days Exceeding State 24-Hour Standard | > 50 µg/m$^3$ | 4 | 1 | 5 |
| $PM_{2.5}$ | | | | |
| Maximum Federal 24-Hour Concentration (µg/m$^3$) | > 35 µg/m$^3$ | 82.1 | 38.5 | 48.7 |
| Annual Federal Arithmetic Mean (µg/m$^3$) | > 12 µg/m$^3$ | 12.58 | 10.80 | 10.47 |
| Number of Days Exceeding Federal 24-Hour Standard | > 35 µg/m$^3$ | 10 | 1 | 1 |

ppm = Parts Per Million
µg/m$^3$ = 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 (14). 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 (15). 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) (16) (17). 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 (18) (14).

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.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2022 California Green Building Code Standards that became effective on January 1, 2023. The CEC anticipates that the 2022 energy code will provide $1.5 billion in consumer benefits and reduce GHG emissions by 10 million metric tons (19). The Project would be required to comply with the applicable standards in place at the time plan check submittals are made. These require, among other items (20):

#### NONRESIDENTIAL MANDATORY MEASURES

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- Designated parking for clean air vehicles. In new projects or additions to alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2 (5.106.5.2).

- EV charging stations. New construction shall facilitate the future installation of EV supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106. 5.3.3 (5.106.5.3). Additionally, Table 5.106.5.4.1 specifies requirements for the installation of raceway conduit and panel power requirements for medium- and heavy-duty EV supply equipment for warehouses, grocery stores, and retail stores.
- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, uplight and glare ratings per Table 5.106.8 (5.106.8).
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1. 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reuse or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).
- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
  a) Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
  b) Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor- mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
  c) Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
  d) Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).
- Outdoor potable water uses in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent (5.304.1).

- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is project to consume more than 1,000 gallons per day (GPD) (5.303.1.1 and 5.303.1.2).
- Outdoor water uses in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).
- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements (5.410.2).

### 2.8.3 AQMP

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMP to meet the state and federal ambient air quality standards (21). AQMPs are updated regularly to ensure an effective reduction in emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.10.

### 2.8.4 LOCAL REGULATIONS

**SCAQMD**

SCAQMD Rules that are currently applicable during construction activity for 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.

***Odor Emissions.*** All uses shall be operated in a manner such that no offensive odor is perceptible at or beyond the property line of that use.

**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 South Coast Air Basin. 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 South Coast Air Basin 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 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.

**CITY OF LAKE ELSINORE GOOD NEIGHBOR GUIDELINES**

The City of Lake Elsinore adopted the Good Neighbor Policy for Logistics and Warehouse/Distribution Uses (Policy Number 400-16) on April 25, 2023 (4). The goal of this policy is to provide a framework through which large-scale logistics and warehouse projects can be designed and operated in a way that lessens any impacts on surrounding communities and the environment. The guidelines require the following standards to be implemented for warehousing facilities within the City:

- All construction and grading related activities shall comply with the South Coast Air Quality Management District (SCAQMD) Regulations in effect at the time work commences.
- The following environmentally responsible practices shall be required during construction:
    - The highest rated California Air Resources Board (CARB) tier of construction equipment available shall be utilized.
    - Electric-powered hand tools, forklifts, aerial lifts, materials lifts, hoists, pressure washers, plate compactors, and air compressors shall be used.
    - Designation of an area in any construction site where electric-powered construction vehicles and equipment can charge if the utility provider can provide temporary power for this purpose.
    - Identification in site plans of a location for future electric truck charging stations and installation of a conduit to that location.
- A Property Maintenance Program shall be submitted for review and approval by the Community Development Director or designee prior to the issuance of building permits. The program shall provide for the regular maintenance of building structures, landscaping, and paved surfaces in good physical condition, and appearance. The methods and maximum intervals for maintenance of each component shall be specified in the program.
- Facility operators shall coordinate with CARB and SCAQMD to obtain the latest information about regional air quality concentrations, health risks, and trucking regulations.
- The applicant shall place a weatherproof sign at the entrance to the project site identifying the approved days and hours of construction activity and install signage that clearly identifies the contact information of the development manager.
- Facility hours of business operation for projects with buildings located within 1,000 feet of a sensitive receptor shall be reviewed on a project-by-project basis. At no time shall refrigerated trucks parked outdoors run and/or idle outside of the facility hours of operation. Changes to the hours of operation shall be reviewed on a project-by-project basis and shall be included in the Conditions of Approval for the project.
- A City representative shall conduct periodic on-site inspections during and after construction to verify compliance or recommend better efforts toward compliance during grading, construction, and operational activities.

## 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

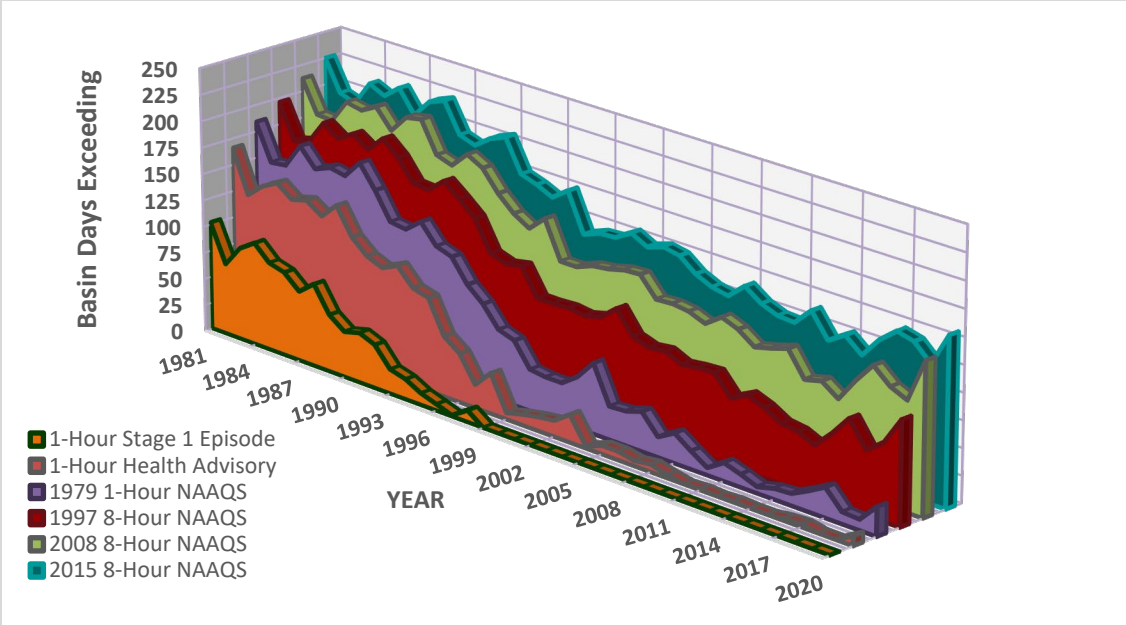
area of which SCAQMD consists of is known as the SCAB. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably 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. 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 1970's 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 2020 (23). 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 2020. For 2020, there was an overall decrease in exceedance days compared with the 1980 period. However, as shown on Table 2-6, $O_3$ levels have increased in the past three years due to higher temperatures and stagnant weather conditions. Notwithstanding, $O_3$ 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 70's (24).

**TABLE 2-6: SCAB $O_3$ TREND**

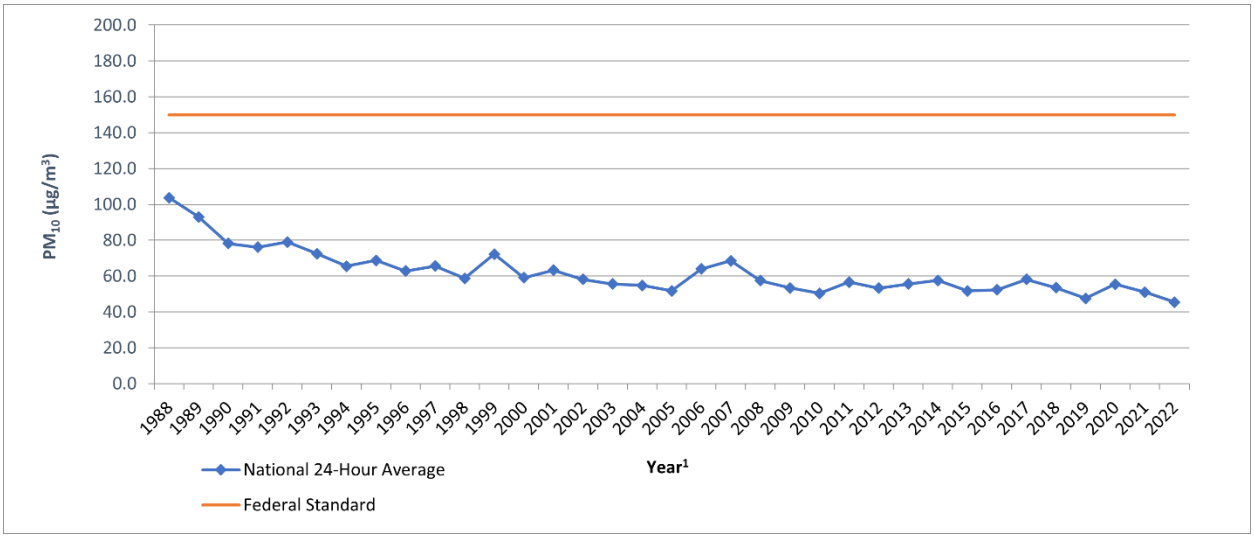



Source: 2020 SCAQMD, Historical $O_3$ Air Quality Trends (1976-2020)

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.

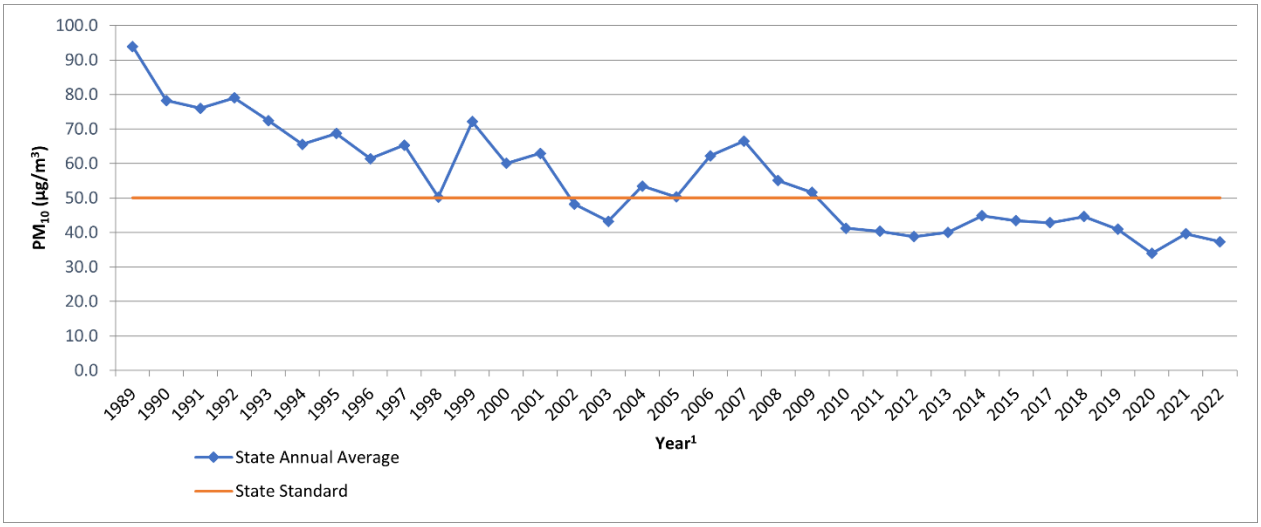
As with other pollutants, the most recent $PM_{10}$ statistics show an overall improvement as illustrated in Tables 2-7 and 2-8. During the period for which data are available, the 24-hour national annual average concentration for $PM_{10}$ decreased by approximately 56%, from 103.7 microgram per cubic meter (µg/m³) in 1988 to 45.5 µg/m³ in 2022 (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 64%, from 93.9 µg/m³ in 1989 to 37.3 µg/m³ in 2022 (25). Although data in the late 1990's 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 (BASED ON FEDERAL STANDARD)[1]**




Source: 2023 CARB, iADAM: Top Four Summary: $PM_{10}$ 24-Hour Averages (1988-2022)
[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.

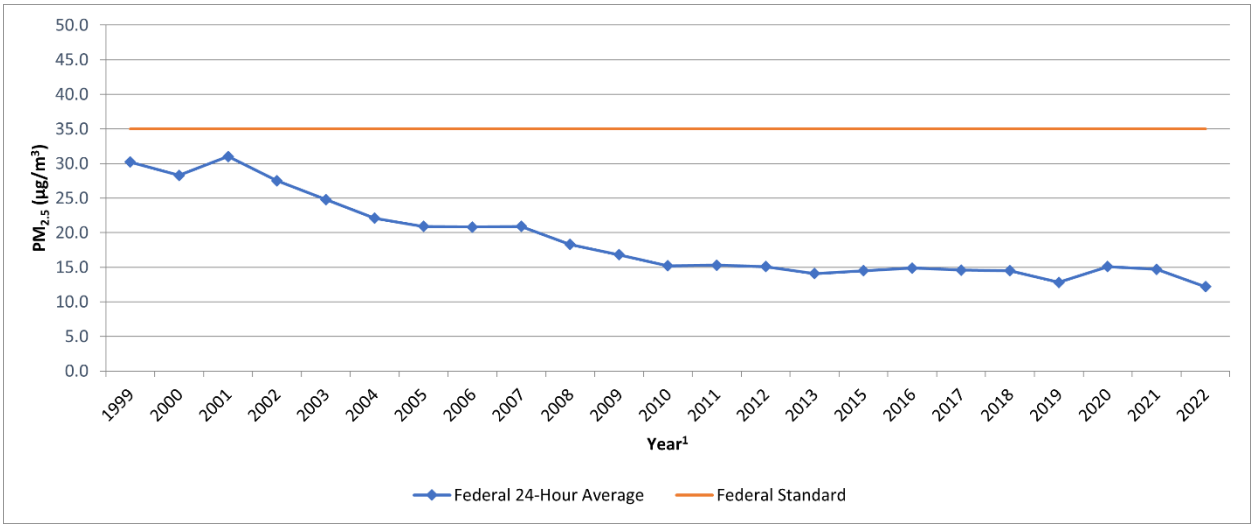
**TABLE 2-8: SCAB ANNUAL AVERAGE CONCENTRATION $PM_{10}$ TREND (BASED ON STATE STANDARD)[1]**




Source: 2023 CARB, iADAM: Top Four Summary: $PM_{10}$ 24-Hour Averages (1988-2022)
[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.

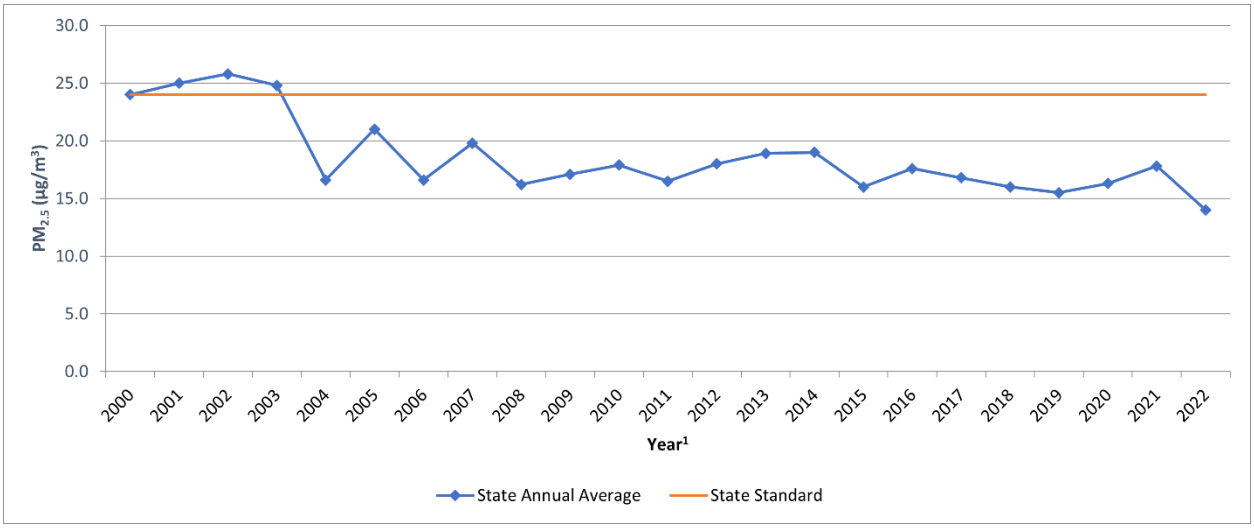
Tables 2-9 and 2-10 shows the most recent 24-hour average $PM_{2.5}$ concentrations in the SCAB from 1999 through 2022. Overall, the national and state annual average concentrations have decreased by almost 60% and 42% respectively (25). It should be noted that the SCAB is currently designated as nonattainment for the state and federal $PM_{2.5}$ standards.

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




Source: 2023 CARB, iADAM: Top Four Summary: $PM_{2.5}$ 24-Hour Averages (1999-2022)
[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 ANNUAL AVERAGE CONCENTRATION $PM_{2.5}$ TREND (BASED ON STATE STANDARD)[1]**




Source: 2023 CARB, iADAM: Top Four Summary: $PM_{2.5}$ 24-Hour Averages (1999-2022)
[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 $PM_{2.5}$.

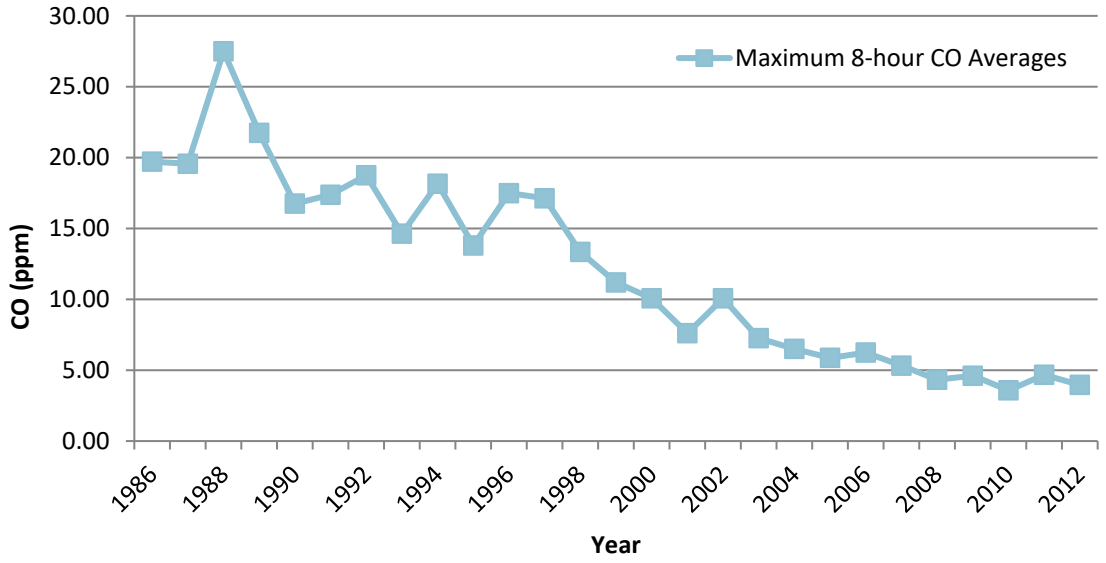
The 2006 to 2010 base period used for the 2012 attainment demonstration had near-normal rainfall. While the trend of $PM_{2.5}$-equivalent emission reductions continued through 2015, the severe drought conditions contributed to the $PM_{2.5}$ increases observed after 2012. As a result of

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]**

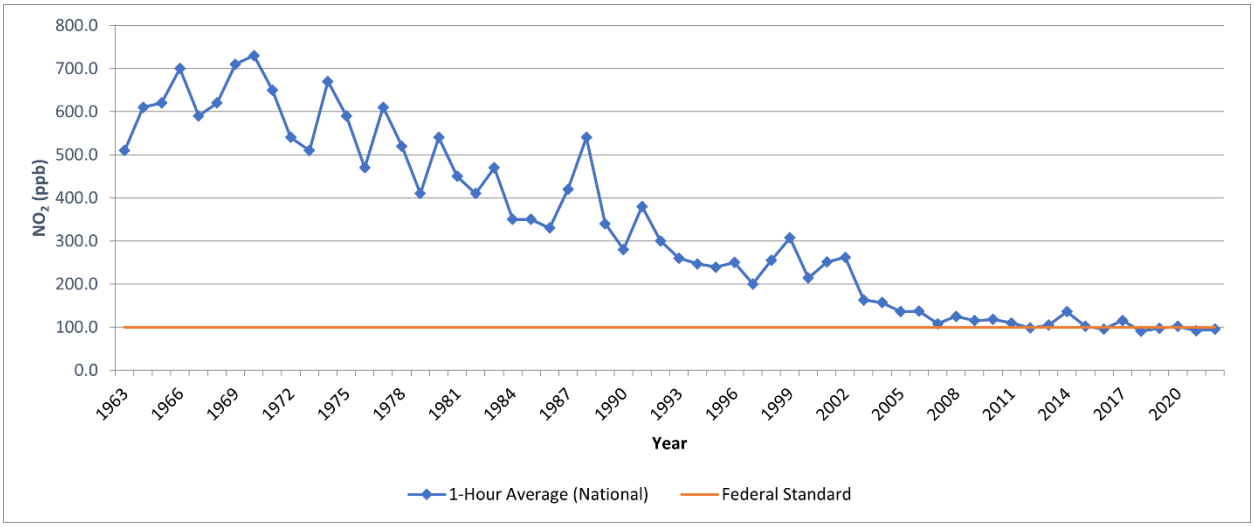


Source: 2020 CARB, iADAM: Top Four Summary: CO 8-Hour Averages (1986-2012)
[1] The most recent year where 8-hour concentration data is available is 2012.

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 required by 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 District's thresholds of significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

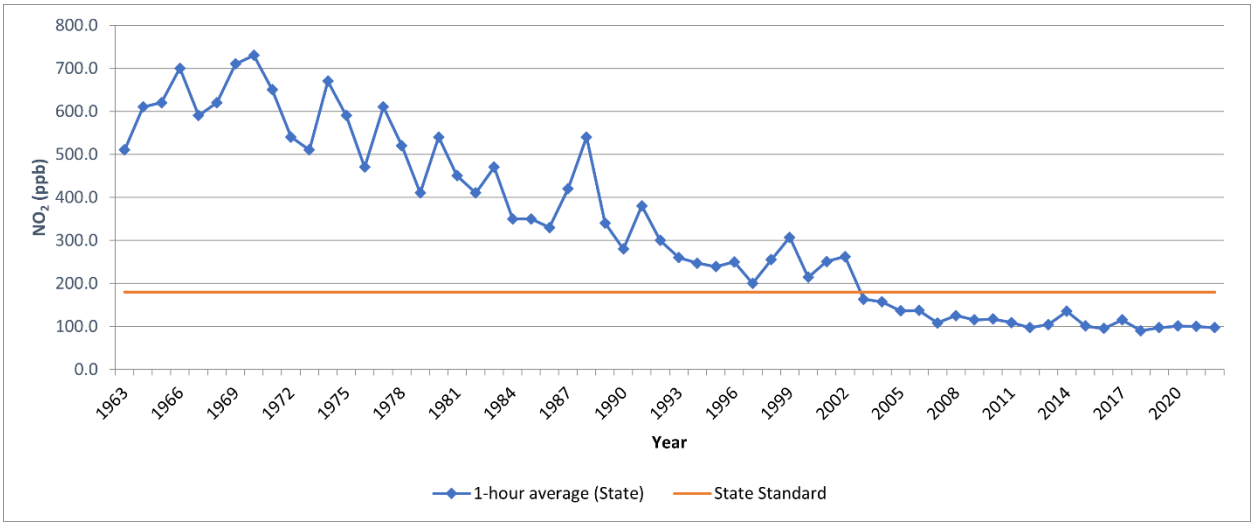
The most recent $NO_2$ data for the SCAB is shown in Tables 2-12 and 2-13 (25). Over the last 50 years, $NO_2$ values have decreased significantly; the peak 1-hour national and state averages for 2022 is approximately 81% lower than what it was during 1963. The SCAB attained the State 1-hour $NO_2$ standard 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 SCAQMD. $NO_2$ 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 SCAQMD into attainment of the state annual average standard.

**TABLE 2-12: SCAB 1-HOUR AVERAGE CONCENTRATION $NO_2$ TREND (BASED ON FEDERAL STANDARD)**




Source: 2023 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2022)

**TABLE 2-13: SCAB 1-HOUR AVERAGE CONCENTRATION $NO_2$ TREND (BASED ON STATE STANDARD)**




Source: 2023 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2022)

### 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 ($C_2H_4O$)[4]. The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

#### MOBILE SOURCE TACS

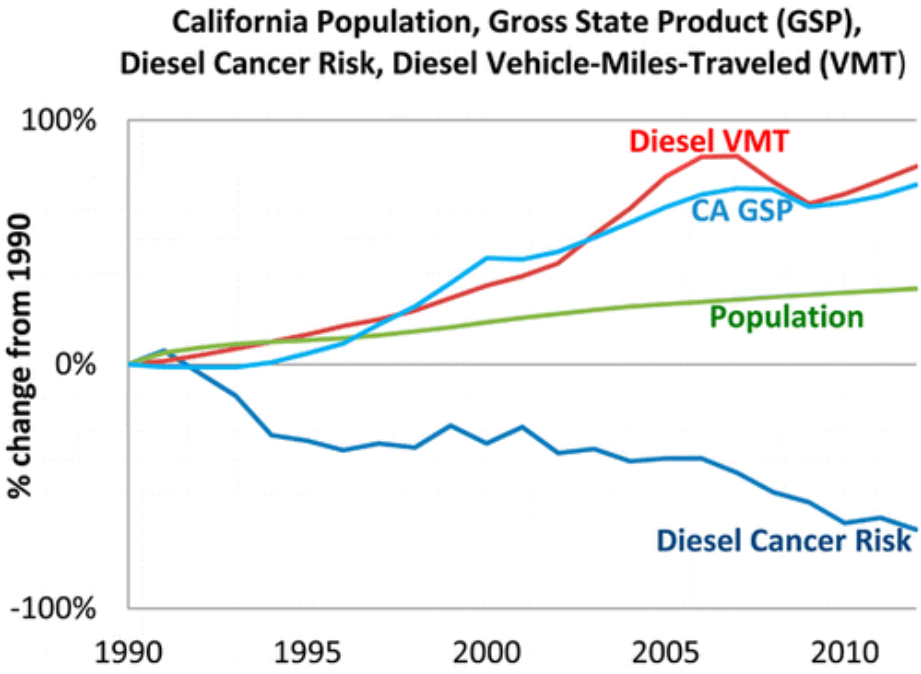
CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. In California, light-duty vehicles sold after 1996 are equipped with California's second-generation On-Board Diagnostic (OBD-II) system. The OBD-II 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

[4] 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.

Engine" or "Service Engine Soon." 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.

**EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND**




Source: 2020 CARB

**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 (32), CARB statewide On-road Truck and Bus Regulation (33), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of "clean trucks" into the statewide truck fleet (34). 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.

**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 (35). The draft report for the MATES V study was published in late May and the comment submission deadline on June 7, 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 (36).

MATES-V calculated cancer risks based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-V has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. The Project is located within a quadrant of the geographic grid of the MATES-V model which predicted a cancer risk of 299 in one million for the area containing the Project site. DPM is included in this cancer risk along with all other TAC sources. As in previous MATES iterations, diesel PM is the largest contributor to overall air toxics cancer risk. However, the average levels of diesel PM in MATES V are 53% lower at the 10 monitoring sites compared to MATES IV. Cumulative Project generated TACs are limited to DPM.

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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. 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 it 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 also developed regional significance thresholds for other regulated pollutants, as summarized at Table 3-1 (37). 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: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS**

| Pollutant | Construction | Operations |
|---|---|---|
| Regional Significance Thresholds | | |
| $NO_X$ | 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 |

| Pollutant | Construction | Operations |
|---|---|---|
| Pb | 3 lbs/day | 3 lbs/day |
| Localized Significance Thresholds | | |
| $NO_X$ | 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$^3$ |

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

## 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.

In June 2024, the California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts including the SCAQMD, released the latest version of the California Emissions Estimator Model (CalEEMod) version 2022.1.1.25. 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 greenhouse gas (GHG) emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (38). 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:

**PROJECT BUILDOUT**

- Demolition
- Site Preparation
- Grading
- Building Construction
- Paving

- Architectural Coating

**OFF-SITE/LIFT STATION IMPROVEMENTS**

- Grading
- Building Construction
- Paving
- Architectural Coating
- Linear, Grubbing & Land Clearing
- Linear, Grading & Excavation
- Linear, Drainage, Utilities, & Sub-Grade
- Linear, Paving

**DEMOLITION ACTIVITIES**

The site is currently developed with existing uses/structures which total approximately 2,336 sf that will be demolished. Demolished material associated with demolition will be hauled off-site.

**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. Although the grading plan indicates that the Project would require 14,056 cubic yards of export for earthwork activities, based on client provided information, this analysis conservatively assumes 50,000 cubic yards of export for earthwork activities and overstates potential construction emissions.

**OFF-SITE/LIFT STATION AND INFRASTRUCTURE IMPROVEMENTS**

To support the Project development, there will be off-site improvements limited to Baker Street and Nichols Street, the Baker Street realignment to Nichols Street, and improvements from Pierce Street to Hoff Ave southwest of the site. There will be lift station improvements to the temporary lift station at the intersection of Pierce Street and Nichols Street, which will include the following:

- Install 3 pumps (2 duty, 1 standby), each rated for 1100 gpm with 25 horsepower motors.
- Construct above grade control building
- Standby diesel generator to be rated for 200 kW
- New electrical service to site and onsite electrical and building electrical improvements.
- Site improvements including 8'-0" high perimeter block wall, paving inside site.

Additionally, installation of approximately 7,650 feet of 16-inch force main is anticipated at Nichols Road and Collier Avenue to a discharge manhole at the intersection of Collier Avenue and Riverside Drive. It is expected that the off-site construction activities would not take place at one location for the entire duration of construction. 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.

Emissions resulting from the aforementioned construction activity was modeled in CalEEMod conservatively and would total approximately 37.86 acres disturbed extending 3.51 miles for the lift station, force main connection and roadway improvements. Construction emissions from this off-site work would be relatively short term and not concentrated in one area. The construction schedule and associated equipment are included in Tables 3-3 and 3-4. Emissions resulting from off-site construction without mitigation have been quantified and are included in Table 3-5, and as shown no impacts are expected to occur.

**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 are presented below in Table 3-2. Worker 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. Vendor trips would likely occur during all phases of construction. As such, the CalEEMod defaults for vendor trips have been adjusted based on a ratio of the total vendor trips to the number of days of each subphase of activity. Additionally, because paving and architectural coating activities overlap with building construction, the vendor trips assigned to building construction activities are assumed to be the same trips used to cover paving and architectural coating.

**TABLE 3-2: CONSTRUCTION TRIP ASSUMPTIONS**

| Phase | Construction Activity | Worker Trips Per Day | Vendor Trips Per Day[1] | Hauling Trips Per Day |
|---|---|---|---|---|
| Project Buildout | Demolition | 15 | 8 | 2 |
| | Site Preparation | 18 | 5 | 0 |
| | Grading | 20 | 14 | 208 |
| | Building Construction | 420 | 136 | 0 |
| | Paving | 15 | 0 | 0 |
| | Architectural Coating | 84 | 0 | 0 |
| Off-Site/Lift Station Improvements | Grading | 20 | 0 | 0 |
| | Building Construction | 0 | 0 | 0 |
| | Paving | 15 | 0 | 0 |
| | Architectural Coating | 0 | 0 | 0 |
| | Linear, Grubbing & Land Clearing | 10 | 0 | 0 |
| | Linear, Grading & Excavation | 35 | 1 | 0 |
| | Linear, Drainage, Utilities, & Sub-Grade | 30 | 0 | 0 |
| | Linear, Paving | 35 | 0 | 0 |

[1] To account for vendor trips during each subphase, the CalEEMod default vendor trips for building construction for Project Buildout only was adjusted according to the proportion of days in each subphase. For instance, CalEEMod assigned 164 vendor trips for the building construction phase. Given that the building construction phase consists of 290 working days of the total 349-day construction schedule (83%), the vendor trips for this phase were adjusted to 136 trips (0.83 x 164 trips). Similar adjustments were made for other subphases based on the corresponding number of days.

### 3.4.2 CONSTRUCTION DURATION

For purposes of analysis, construction of the Project is expected to commence in April 2026 and would last through August 2027 for Project Buildout and September 2025 through May 2027 for Off-Site/Lift Station Improvements. 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.[5] The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (1).

**TABLE 3-3: CONSTRUCTION DURATION**

| Phase | Construction Activity | Start Date | End Date | Working |
|---|---|---|---|---|
| Project Buildout | Demolition | 4/1/2026 | 4/24/2026 | 18 |
| | Site Preparation | 4/27/2026 | 5/11/2026 | 11 |
| | Grading | 5/12/2026 | 6/22/2026 | 30 |
| | Building Construction | 6/23/2026 | 8/2/2027 | 290 |
| | Paving | 6/22/2027 | 8/2/2027 | 30 |
| | Architectural Coating | 3/30/2027 | 8/2/2027 | 90 |
| Off-Site/Lift Station Improvements | Grading | 9/1/2025 | 9/2/2025 | 2 |
| | Building Construction | 9/3/2025 | 7/3/2026 | 218 |
| | Paving | 7/6/2026 | 7/10/2026 | 5 |
| | Architectural Coating | 7/13/2026 | 7/17/2026 | 5 |
| | Linear, Grubbing & Land Clearing | 7/20/2026 | 8/17/2026 | 21 |
| | Linear, Grading & Excavation | 8/18/2026 | 12/9/2026 | 82 |
| | Linear, Drainage, Utilities, & Sub-Grade | 12/10/2026 | 3/19/2027 | 72 |
| | Linear, Paving | 3/22/2027 | 5/3/2027 | 31 |

### 3.4.3 CONSTRUCTION EQUIPMENT

Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-4 is assumed to operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City

[5] As shown in the CalEEMod User's Guide Version 2022, Appendix G "Table G-11. Statewide Average Annual Offoad 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.

code. In accordance with the City of Lake Elsinore Good Neighbor Policy for Logistics and Warehouse/Distribution uses, it was assumed that all construction equipment would meet at least CARB Tier 4 Interim emissions standards.

**TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS**

| Phase | Construction Activity | Equipment[2] | Amount | Hours Per Day |
|---|---|---|---|---|
| Project Buildout | Demolition | Concrete/Industrial Saws | 1 | 8 |
| | | Excavators | 3 | 8 |
| | | Rubber Tired Dozers | 2 | 8 |
| | Site Preparation | Rubber Tired Dozers | 3 | 8 |
| | | Crawler Tractors | 4 | 8 |
| | Grading | Excavators | 2 | 8 |
| | | Graders | 1 | 8 |
| | | Rubber Tired Dozers | 1 | 8 |
| | | Scrapers | 2 | 8 |
| | | Crawler Tractors | 2 | 8 |
| | Building Construction | Cranes | 1 | 8 |
| | | Forklifts | 3 | 8 |
| | | Generator Sets | 1 | 8 |
| | | Tractors/Loaders/Backhoes | 3 | 8 |
| | | Welders | 1 | 8 |
| | Paving | Pavers | 2 | 8 |
| | | Paving Equipment | 2 | 8 |
| | | Rollers | 2 | 8 |
| | Architectural Coating | Air Compressors | 1 | 8 |
| Off-Site/Lift Station Improvements | Grading | Graders | 1 | 8 |
| | | Rubber Tired Dozers | 1 | 8 |
| | | Tractors/Loaders/Backhoes | 2 | 8 |
| | | Excavators | 2 | 8 |
| | | Scrapers | 2 | 8 |
| | Building Construction | Cranes | 1 | 8 |
| | | Forklifts | 2 | 8 |
| | | Generator Sets | 1 | 8 |
| | | Tractors/Loaders/Backhoes | 1 | 8 |
| | | Welders | 3 | 8 |

| Phase | Construction Activity | Equipment[2] | Amount | Hours Per Day |
|---|---|---|---|---|
| | Paving | Tractors/Loaders/Backhoes | 1 | 8 |
| | | Pavers | 1 | 8 |
| | | Paving Equipment | 1 | 8 |
| Off-Site/Lift Station Improvements | | Rollers | 2 | 8 |
| | | Cement and Mortar Mixers | 1 | 8 |
| | Architectural Coating | Air Compressors | 1 | 8 |
| | Linear, Grubbing & Land Clearing | Signal Boards | 2 | 8 |
| | | Crawler Tractors | 1 | 8 |
| | | Excavators | 1 | 8 |
| | Linear, Grading & Excavation | Excavators | 3 | 8 |
| | | Crawler Tractors | 1 | 8 |
| | | Graders | 1 | 8 |
| | | Rollers | 2 | 8 |
| | | Scrapers | 2 | 8 |
| | | Rubber Tired Loaders | 1 | 8 |
| | | Signal Boards | 2 | 8 |
| | | Tractors/Loaders/Backhoes | 2 | 8 |
| | Linear, Drainage, Utilities, & Sub-Grade | Tractors/Loaders/Backhoes | 2 | 8 |
| | | Signal Boards | 2 | 8 |
| | | Scrapers | 2 | 8 |
| | | Rough Terrain Forklifts | 1 | 8 |
| | | Graders | 1 | 8 |
| | | Plate Compactors | 1 | 8 |
| | | Pumps | 1 | 8 |
| | | Air Compressors | 1 | 8 |
| | | Generator Sets | 1 | 8 |
| | Linear, Paving | Rollers | 3 | 8 |
| | | Paving Equipment | 1 | 8 |
| | | Pavers | 1 | 8 |
| | | Tractors/Loaders/Backhoes | 2 | 8 |
| | | Signal Boards | 2 | 8 |

[2] In order to account for fugitive dust emissions, Crawler Tractors were used in lieu of Tractors/Loaders/Backhoes during the site preparation and grading phases for Project Buildout phase only, as they are generally more effective at reducing fugitive dust emissions by minimizing soil disturbance.

### 3.4.4 CONSTRUCTION EMISSIONS SUMMARY

#### IMPACTS WITHOUT MITIGATION

The estimated maximum daily construction emissions without mitigation are summarized in Table 3-5. Detailed construction model outputs are presented in Appendix 3.1. Under the assumed scenarios, emissions resulting from the Project construction would not exceed criteria pollutant thresholds established by the SCAQMD.

**TABLE 3-5: OVERALL CONSTRUCTION EMISSIONS SUMMARY – WITHOUT MITIGATION**

| Year | Emissions (lbs/day) | | | | | |
|---|---|---|---|---|---|---|
| | VOC | $NO_X$ | CO | $SO_X$ | $PM_{10}$ | $PM_{2.5}$ |
| Summer | | | | | | |
| 2025 | 2.08 | 23.42 | 29.61 | 0.06 | 3.28 | 1.59 |
| 2026 | 22.52 | 59.01 | 87.28 | 0.22 | 8.87 | 3.31 |
| 2027 | 64.23 | 32.40 | 77.04 | 0.09 | 8.81 | 2.40 |
| Winter | | | | | | |
| 2025 | 0.30 | 9.83 | 13.54 | 0.02 | 0.17 | 0.16 |
| 2026 | 3.09 | 38.92 | 79.42 | 0.12 | 8.37 | 2.21 |
| 2027 | 60.49 | 34.18 | 75.58 | 0.11 | 9.17 | 2.36 |
| **Maximum Daily Emissions** | **64.23** | **59.01** | **87.28** | **0.22** | **9.17** | **3.31** |
| SCAQMD Regional Threshold | 75 | 100 | 550 | 150 | 150 | 55 |
| **Threshold Exceeded?** | **NO** | **NO** | **NO** | **NO** | **NO** | **NO** |

Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendix 3.1

## 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:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- Stationary Emissions
- Transportation Refrigeration Units (TRU) Emissions
- On-Site Cargo Handling Equipment Emissions

### 3.5.1 AREA SOURCE EMISSIONS

#### ARCHITECTURAL COATINGS

Over a period of time, the Project buildings 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 ozone and other photochemically reactive pollutants. The emissions associated with 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 horsepower (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.

### 3.5.2 ENERGY SOURCE EMISSIONS

#### COMBUSTION EMISSIONS ASSOCIATED WITH NATURAL GAS AND ELECTRICITY

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. 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. Electricity usage associated with the Project was calculated by CalEEMod using default parameters. Based on information provided by the Project Applicant, the Project would not use natural gas for the building envelope. As such, natural gas consumption has not been analyzed in this study.

### 3.5.3 MOBILE SOURCE EMISSIONS

The Project related operational air quality emissions derive primarily from vehicle trips generated by the Project, including employee trips to and from the site and truck trips associated with the proposed uses. Trip characteristics available from the *Baker Lake Elsinore Traffic Impact Analysis*

were utilized in this analysis (5). Per the *Baker Lake Elsinore Traffic Analysis*, the proposed Project is expected to generate approximately 2,384 total trips per day, consisting of 1,400 passenger car trips and 984 truck trips. It should be noted that the TIA report analyzed 90% (900,4059 SF) high-cube cold storage and 10% (100,045 SF) manufacturing. However, given that the high-cube buildings are designed with flexibility to accommodate 10% manufacturing and 10% cold storage uses, the building was analyzed as 80% high cube fulfillment (800,361), 10% manufacturing (100,045 SF), and 10% cold storage (100,451 SF) utilizing the trips disclosed in the TIA report. As such, the high cube fulfillment warehouse land use was analyzed utilizing the cold storage ITE trip rates and vehicle class from the TIA.

The proposed Project is expected to generate approximately 295 total trips, including 182 passenger car tips and 113 truck trips, on Saturday and approximately 152 total trips, including 96 passenger car tips and 56 truck trips, on Sunday.

#### APPROACH FOR ANALYSIS OF THE PROJECT

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[6] & LDT2[7]), 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:

**TABLE 3-6: PASSENGER CAR FLEET MIX**

| Land Use | % Vehicle Type | | | | |
|---|---|---|---|---|---|
| | LDA | LDT1 | LDT2 | MDV | MCY |
| High-Cube Cold Storage Warehouse (ITE 157) | 53.82 | 4.02 | 22.64 | 17.05 | 2.48 |
| Manufacturing (ITE 147) | | | | | |
| High-Cube Fulfillment Warehouse (ITE 157)[A] | | | | | |

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, and MDV vehicle types.
[A] It should be noted that the High-Cube Fulfillment Warehouse trip rate was based on the ITE rate for High-Cube Cold Storage (ITE 157).

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length of 15.3 miles for 2-axle (LHDT1, LHDT2) trucks, 14.2 miles 3-axle (MHDT) trucks and 40 miles for 4+-axle (HHDT) trucks and weighting the average trip lengths using traffic trip percentages taken from the *Baker Lake Elsinore Traffic Impact Analysis*. The trip length function for the proposed industrial building uses has been calculated to 28.54 miles for the high-cube cold storage and high-cube fulfillment warehouse uses and 30.47 miles for the manufacturing use with an assumption of 100% primary trips assigned to the home to

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

work (H-W) category in CalEEMod. This trip length assumption is higher than the CalEEMod defaults for trucks.

In order to be consistent with the *Baker Lake Elsinore Traffic Impact Analysis*, trucks are broken down by truck type. The truck fleet mix is estimated by apportioning the trip rates for each truck type based on information provided in the *Baker Lake Elsinore Traffic Impact Analysis*. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1[8] & LHDT2 [9])/2-axle, Medium-Heavy-Duty Trucks (MHD)/3-axle, and Heavy-Heavy-Duty Trucks (HHD)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

**TABLE 3-7: TRUCK FLEET MIX**

| Land Use | % Vehicle Type | | | |
|---|---|---|---|---|
| | LHDT1 | LHDT2 | MHDT | HHDT |
| High-Cube Cold Storage Warehouse (ITE 157) | 26.96 | 7.70 | 11.01 | 54.33 |
| Manufacturing (ITE 147) | 13.06 | 3.73 | 20.61 | 62.60 |
| High-Cube Fulfillment Warehouse (ITE 157)[A] | 26.96 | 7.70 | 11.01 | 54.33 |

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.
[A] It should be noted that the High-Cube Fulfillment Warehouse trip rate was based on the ITE rate for High-Cube Cold Storage (ITE 157).

#### 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.

### 3.5.4 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. For this Project, on-site modeled operational equipment includes up to four (4) 175 horsepower (hp), natural gas-powered cargo handling equipment – port tractor operating 4 hours a day[10] for 365 days of the year. It should be noted that on-site cargo handling equipment emissions were calculated off-model using EMFAC offroad emission factors.

### 3.5.5 STATIONARY SOURCE EMISSIONS

The proposed Project was conservatively assumed to include installation of two 300-horsepower diesel-powered emergency generators at the industrial buildings and one 350-horsepower

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

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

[10] Based on 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.

diesel-powered emergency generator at the off-site lift station. The emergency generators were estimated 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 emergency generators were calculated using CalEEMod.

### 3.5.6 TRU EMISSIONS

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have TRUs. Therefore, for modeling purposes, 48 one-way truck trips have the potential to include TRUs. TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on the EMFAC Offroad Emissions, developed by the CARB. EMFAC does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operation. TRU emission calculations are provided in Appendix 3.4.

### 3.5.7 OPERATIONAL EMISSIONS SUMMARY

Operational activities for summer and winter scenarios are presented in Table 3-8. The estimated operational-source emissions are summarized in Table 3-8. Detailed operation model outputs for the Project are presented in Appendix 3.1. As shown on Table 3-8, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of $NO_X$.

#### RECOMMENDED OPERATIONAL MITIGATION MEASURES

#### 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**

Prior to receipt of occupancy permits, the Project shall install passenger car EV charging stations and designated carpool parking stalls per the provisions of the California Green Building Standards Code and require that each building be constructed with an adequately sized electrical panel(s) and conduit to accommodate EV charging stations at a minimum of 5 percent of the passenger car parking spaces.

**MM AQ-3**

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-4**

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-5**

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-6**

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-7**

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-8**

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 (Source: City of Palmdale General Plan EIR, 2022).

**MM AQ-9**

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.

**MM AQ-10**

The City occupancy permitting shall require that all facility-owned and operated fleet equipment with a gross vehicle weight rating greater than 14,000 pounds accessing the site meet or exceed 2014 model-year emissions equivalent engine standards as currently defined in California Code

of Regulations Title 13, Division 3, Chapter 1, Article 4.5, Section 2025. Facility operators which own vehicles subject to Section 2025 shall maintain records on-site demonstrating compliance with this requirement and shall make records available for inspection by the local jurisdiction, air district, and state upon request.

**OPERATIONAL PROJECT DESIGN FEATURES**

**PDF AQ-1**

The Project shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks that is away from sensitive receptors. The general queuing and spill-over of trucks onto surrounding public streets shall be prevented. Commercial trucks shall not be parked in the public road right-of-way or nearby residential areas.

**PDF AQ- 2**

The proposed truck driveways are placed on streets that do not have fronting sensitive receptors.

**PDF AQ- 3**

The Project sites shall be densely screened with landscaping along all bordering streets and site boundaries, with trees spaced no further apart than 25 feet on center. Fifty percent of the landscape screening shall include a minimum of 36- inch box trees. Truck courts would be further screened from the right-of-way by screen walls. Facility operators will be responsible to establish a long-term maintenance mechanism to assure that the landscaping remains in place and functional in accordance with the approved landscaping plan.

**PDF AQ- 4**

Upon exceedance of 250 employees facility operations will establish a rideshare and Commute trip reduction program, such as IE Commuter, in accordance with AQMD Rule 2202, with the intent of discouraging single-occupancy vehicle trips and promote alternate modes of transportation, such as carpooling and transit where feasible.

**PDF AQ- 5**

Prior to receipt of occupancy permits the Project Developer/Owner/Operator shall post signs that all parking of trucks must be within designated on-site areas and not within the surrounding community or public streets.

MM AQ-1 through MM AQ-10 and PDF AQ-1 through PDF AQ-5, would incorporate strategies that would contribute to reducing heavy duty truck emissions associated with the proposed Project. The proposed Project would not conflict with these strategies. Trucks onsite are required to comply with CARB's Heavy-Duty (Tractor-Trailer) GHG Regulation, which requires SmartWay tractor trailers that include idle-reduction technologies, aerodynamic technologies, and low-rolling resistant tires that would reduce fuel consumption and associated emissions.

Despite the mitigation measures and project design features provided by Project and the anticipated regulations implemented by the EPA and CARB to improve truck efficiency, the estimated long-term emissions generated under full buildout of the proposed Project would exceed the SCAQMD's regional operational significance thresholds (see Tables 3-8) and would

cumulatively contribute to the nonattainment designations in the SCAB. The predominance of the Project's operational-source emissions are generated by passenger cars 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. On this basis, it is concluded that Project operational-source $NO_X$ emissions cannot be definitively reduced below applicable SCAQMD thresholds and therefore, the proposed Project would result in a significant and unavoidable impact in this regard.

The summary list of mitigation measures above are all designed to reduce emissions attributable to the proposed Project. Although not specifically quantifiable, these measures will result in a reduction of air quality emissions. Therefore, the operational emissions shown below is a conservative forecast of air quality emissions and as shown on Table 3-8, will exceed the applicable SCAQMD thresholds for $NO_X$ during operations.

**TABLE 3-8: SUMMARY OF PEAK OPERATIONAL EMISSIONS**

| Source | Emissions (lbs/day) | | | | | |
|---|---|---|---|---|---|---|
| | **VOC** | **$NO_X$** | **CO** | **$SO_X$** | **$PM_{10}$** | **$PM_{2.5}$** |
| Summer | | | | | | |
| Mobile Source | 8.50 | 77.34 | 125.68 | 0.90 | 49.93 | 13.93 |
| Area Source | 30.13 | 0.37 | 43.53 | 0.00 | 0.08 | 0.06 |
| Stationary Source | 1.56 | 4.36 | 3.98 | 0.01 | 0.23 | 0.23 |
| TRU Source | 13.80 | 14.87 | 1.68 | 0.00 | 0.50 | 0.46 |
| On-Site Cargo Equipment | 0.47 | 1.50 | 65.78 | 0.00 | 0.12 | 0.11 |
| **Project Maximum Daily Emissions** | **54.46** | **98.43** | **240.65** | **0.91** | **50.86** | **14.79** |
| SCAQMD Regional Threshold | 55 | 55 | 550 | 150 | 150 | 55 |
| **Threshold Exceeded?** | **NO** | **YES** | **NO** | **NO** | **NO** | **NO** |
| Winter | | | | | | |
| Mobile Source | 8.19 | 81.09 | 105.81 | 0.88 | 49.94 | 13.93 |
| Area Source | 22.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Stationary Source | 1.56 | 4.36 | 3.98 | 0. 01 | 0.23 | 0.23 |
| TRU Source | 13.80 | 14.87 | 1.68 | 0.00 | 0.50 | 0.46 |
| On-Site Cargo Equipment | 0.47 | 1.50 | 65.78 | 0.00 | 0.12 | 0.11 |
| **Project Maximum Daily Emissions** | **47.00** | **101.81** | **177.24** | **0.89** | **50.78** | **14.73** |
| SCAQMD Regional Threshold | 55 | 55 | 550 | 150 | 150 | 55 |
| **Threshold Exceeded?** | **NO** | **YES** | **NO** | **NO** | **NO** | **NO** |

Source: CalEEMod operational-source emissions are presented in Appendix 3.1.

## 3.6 LOCALIZED SIGNIFICANCE

### 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 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.[11] 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 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* (39).

### 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 (40)." As such, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

### 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:

### 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.

[11] 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."

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.

**METEOROLOGICAL DATA AND MODEL OPTIONS**

In order to account for meteorological conditions at the Project site, meteorological data from the SCAQMD's Lake Elsinore 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.

**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 where an individual could remain for 24 hours to the Project site has been used to determine construction 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.

LSTs apply, even for non-sensitive land uses, consistent with *LST Methodology* and SCAQMD guidance. 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 on-site 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* (40)." 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.

**PROJECT-RELATED RECEPTORS**

Receptors in the Project study area are described below and shown in Exhibit 3-B. 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 28750 Pierce Street, approximately 92 feet west of the Project site. Receptor R1 is placed in the private outdoor living areas (backyards) facing the Project site.

R2: Location R2 represents the future residence on Florence Drive, approximately 1,216 feet west of the Project site. Receptor R2 is placed in the private outdoor living areas (backyards) facing the Project site.

R3: Location R3 represents the existing residence at 29093 Gunder Avenue, approximately 1,515 feet southwest of the Project site. Receptor R3 is placed in the private outdoor living areas (backyards) facing the Project site.

R4: Location R4 represents the existing residence at 16950 Gunnerson Street, approximately 1,380 feet southeast of the Project site. Receptor R4 is placed in the private outdoor living areas (backyards) facing the Project site.

R5: Location R5 represents the existing residence at 17250 Gunnerson Street, approximately 1,393 feet south of the Project site. Receptor R5 is placed in the private outdoor living areas (backyards) facing the Project site.

R6: Location R6 represents the existing residence at 17401 Baker Street, approximately 155 feet east of the Project site. Receptor R6 is placed in the private outdoor living areas (backyards) facing the Project site.

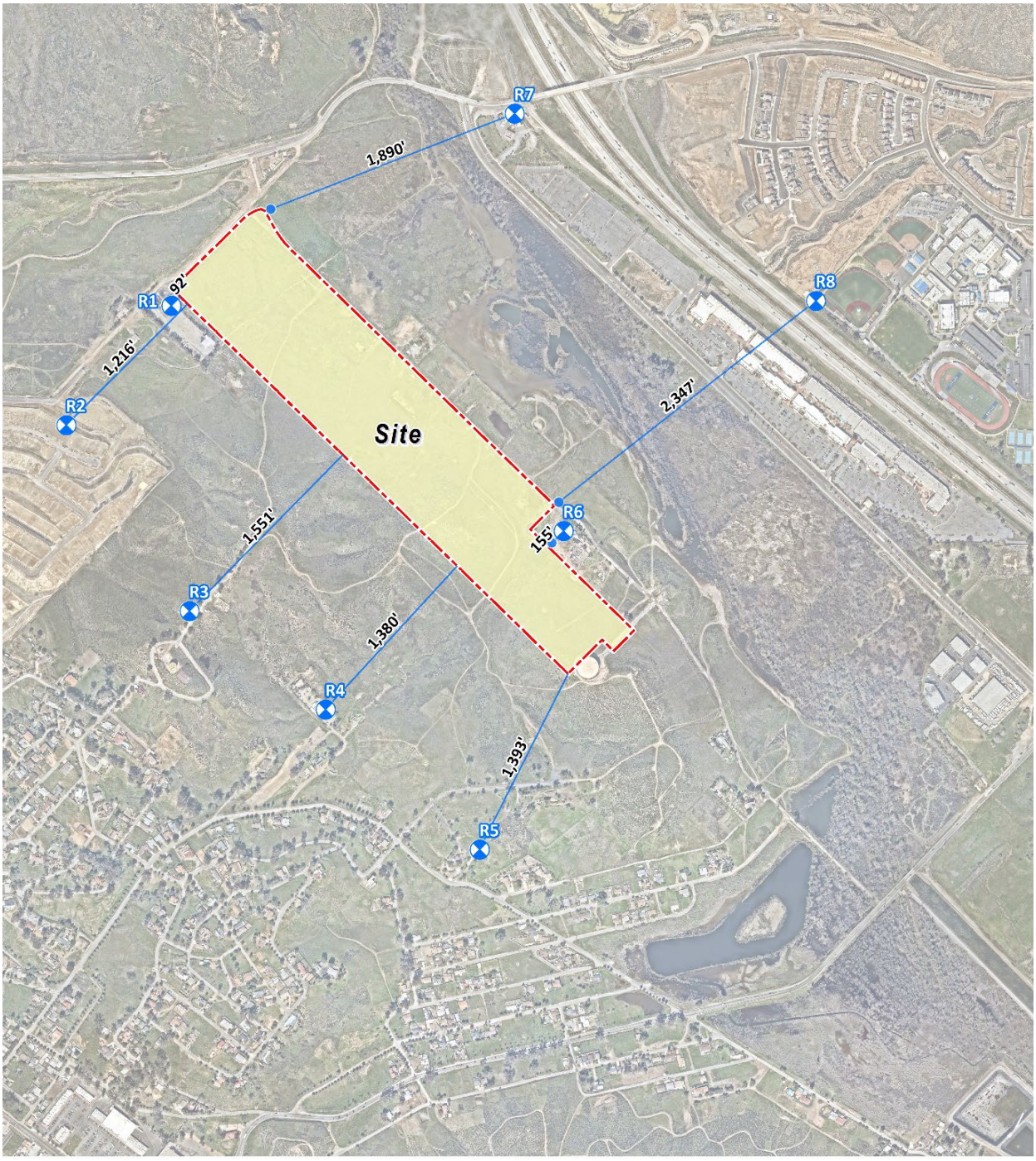
R7: Location R7 represents the AMPM at 19930 Collier Ave, approximately 1,890 feet northeast of the Project site. Receptor R7 is placed in the private outdoor living areas (backyards) facing the Project site.

R8: Location R8 represents Temescal Valley High School at 28755 El Toro Rd, approximately 2,347 feet northeast of the Project site. Receptor R8 is placed in the school field facing the Project site.

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.

## EXHIBIT 3-B: RECEPTOR LOCATIONS



## 3.7 CONSTRUCTION-SOURCE EMISSIONS LST ANALYSIS

Emissions during the peak construction activity will not exceed the SCAQMD's localized significance thresholds at the maximally exposed receptor location, as illustrated in Table 3-9. All other modeled locations in the study area would experience a lesser concentration and consequently a lesser 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 Appendix 3.2.

**TABLE 3-9: LOCALIZED SIGNIFICANCE SUMMARY PEAK CONSTRUCTION – WITHOUT MITIGATION**

| Peak Construction | CO | | $NO_2$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|
| | Averaging Time | | | | |
| | 1-Hour | 8-Hour | 1-Hour | 24-Hours | 24-Hours |
| Peak Day Localized Emissions | 0.02 | 0.00 | 5.68E-03 | 0.49 | 0.24 |
| Background Concentration [A] | 1.3 | 0.7 | 0.042 | | |
| **Total Concentration** | **1.32** | **0.70** | **0.05** | **0.49** | **0.24** |
| SCAQMD Localized Significance Threshold | 20 | 9 | 0.18 | 10.4 | 10.4 |
| **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 $NO_2$.

## 3.8 OPERATIONAL-SOURCE EMISSIONS LST ANALYSIS

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 trip length of 0.65 miles was utilized for both trucks and passenger cars.

In order to account for any potential impacts to on-site receptors as a result of operational activity, a scenario conservatively assuming 2027 emissions was analyzed. As shown in Table 3-10 below, emissions would not exceed SCAQMD's localized significance thresholds at the maximally exposed on-site receptors as a result of operational activities.

**TABLE 3-10: LOCALIZED SIGNIFICANCE SUMMARY PEAK OPERATIONS**

| Peak Construction | CO | | $NO_2$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|
| | Averaging Time | | | | |
| | 1-Hour | 8-Hour | 1-Hour | 24-Hours | 24-Hours |
| Peak Day Localized Emissions | 2.07E-02 | 1.57E-02 | 3.05E-03 | 0.21 | 0.12 |
| Background Concentration [A] | 1.3 | 0.7 | 0.042 | | |
| **Total Concentration** | **1.32** | **0.72** | **0.05** | **0.21** | **0.12** |
| SCAQMD Localized Significance Threshold | 20 | 9 | 0.18 | 2.5 | 2.5 |
| **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 $NO_2$.

## 3.9 CO "HOT SPOT" ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or "hot spots." Further, detailed modeling of Project-specific CO "hot spots" is not needed to reach this conclusion. An adverse CO concentration, known as a "hot spot," would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur.

It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SCAB is now designated as attainment. To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO "hot spot" analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This "hot spot" analysis did not predict any violation of CO standards, as shown in Table 3-11.

**TABLE 3-11: CO MODEL RESULTS**

| Intersection Location | CO Concentrations (ppm) | | |
|---|---|---|---|
| | Morning 1-hour | Afternoon 1-hour | 8-hour |
| Wilshire Boulevard/Veteran Avenue | 4.6 | 3.5 | 3.7 |
| Sunset Boulevard/Highland Avenue | 4 | 4.5 | 3.5 |
| La Cienega Boulevard/Century Boulevard | 3.7 | 3.1 | 5.2 |
| Long Beach Boulevard/Imperial Highway | 3 | 3.1 | 8.4 |

Source: 2003 AQMP, Appendix V: Modeling and Attainment Demonstrations
Notes: Federal 1-hour standard is 35 ppm and the deferral 8-hour standard is 9.0 ppm.

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (*1992 CO Plan*), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection. As evidence of this, for example, 8.4 ppm 8-hour CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (highest CO generating intersection within the "hot spot" analysis), only 0.7 ppm was attributable to the traffic volumes and congestion at this intersection; the remaining 7.7 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (41). In contrast, an adverse CO concentration, known as a "hot spot", would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur.

The ambient 1-hour and 8-hour CO concentration within the Project study area is estimated to be 1.3 ppm and 0.7 ppm, respectively (data from Lake Elsinore Area monitoring station for 2023). Therefore, even if the traffic volumes for the proposed Project were double or even triple the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, coupled with the on-going improvements in ambient air quality, the Project would not be capable of resulting in a CO "hot spot" at any study area intersections.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour (vph)—or 24,000 vph where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (42). Traffic volumes generating the CO concentrations for the "hot spot" analysis is shown in Table 3-12. The busiest intersection evaluated was at Wilshire Boulevard and Veteran Avenue, which has a daily traffic volume of approximately 100,000 vph and AM/PM traffic volumes of 8,062 vph and 7,719 vph respectively (41). The *2003 AQMP* estimated that the 1-hour concentration for this intersection was 4.6 ppm; this indicates that, should the daily traffic volume increase four times to 400,000 vehicles per day, CO concentrations (4.6 ppm x 4= 18.4 ppm) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm).[12]

**TABLE 3-12: TRAFFIC VOLUMES**

| Intersection Location | Peak Traffic Volumes (vph) | | | | |
|---|---|---|---|---|---|
| | Eastbound (AM/PM) | Westbound (AM/PM) | Southbound (AM/PM) | Northbound (AM/PM) | Total (AM/PM) |
| Wilshire Boulevard/Veteran Avenue | 4,954/2,069 | 1,830/3,317 | 721/1,400 | 560/933 | 8,062/7,719 |
| Sunset Boulevard/Highland Avenue | 1,417/1,764 | 1,342/1,540 | 2,304/1,832 | 1,551/2,238 | 6,614/5,374 |
| La Cienega Boulevard/Century Boulevard | 2,540/2,243 | 1,890/2,728 | 1,384/2,029 | 821/1,674 | 6,634/8,674 |
| Long Beach Boulevard/Imperial Highway | 1,217/2,020 | 1,760/1,400 | 479/944 | 756/1,150 | 4,212/5,514 |

Source: 2003 AQMP

[12] Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm)

As summarized in Table 3-13, the intersection of Nichols Rd. & SB I15 On-Ramp would have the highest AM and PM traffic volume of 1,615 vph and 210 vph. As such, total traffic volumes at the intersections considered are less than the traffic volumes identified in the *2003 AQMP*. As such, the Project considered herein along with background and cumulative development would not produce the volume of traffic required to generate a CO "hot spot" either in the context of the 2003 Los Angeles hot spot study or based on representative BAAQMD CO threshold considerations. Therefore, CO "hot spots" are not an environmental impact of concern for the Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

**TABLE 3-13: PEAK HOUR TRAFFIC VOLUMES**

| Intersection Location | Peak Traffic Volumes (vph) | | | | |
|---|---|---|---|---|---|
| | Northbound (AM/PM) | Southbound (AM/PM) | Eastbound (AM/PM) | Westbound (AM/PM) | Total (AM/PM) |
| Nichols Rd. & Collier Ave | 207/14 | 0/0 | 707/45 | 611/128 | 1525/187 |
| Nichols Rd. & SB I15 On-Ramp | 0/0 | 297/82 | 785/49 | 533/79 | 1615/210 |
| Nichols Rd. & NB I15 On-Ramp | 469/78 | 0/0 | 410/34 | 345/25 | 1224/137 |
| Nichols Rd. & Baker St. | 64/0 | 0/0 | 689/45 | 525/120 | 1278/165 |

Source: *Baker Lake Elsinore Traffic Impact Analysis* (EPD Solutions, Inc., 2024)

## 3.10 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 was previoulsy 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 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 (43). 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

(44). The Project's consistency with the AQMP will be determined using the *2022 AQMP* as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (45). These indicators are discussed below:

### 3.10.1 CONSISTENCY CRITERION NO. 1

***The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.***

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 $NO_X$. Accordingly, Project operational-source $NO_X$ 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.

### 3.10.2 CONSISTENCY CRITERION NO. 2

***The Project will not 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 Lake Elsinore General Plan is considered to be consistent with the AQMP***.***

The SCAG adopted the 2020-*2045 Regional Transportation Plan/Sustainable Communities Strategy* (2020-2045 RTP/SCS), a planning document that supports the integration of land use and transportation to help the region meet the federal metropolitan planning organization (MPO) requirements under the Sustainable communities and Climate Protection Act. The

proposed Project would be developed in accordance with all applicable rules and regulations contained in those plans. It should be noted that although the 2024-2050 RTP was released after approval of the 2022 AQMP, the 2022 AQMP is reliant in part upon the general plan land use designations. The City of Lake Elsinore General Plan Land Use designation of the Project site is "Limited Industrial". This is consistent with the land use same designation assumed by both the 2020-2045 RTP and the 2024-2050 RTP. The Project does not propose or require amendment of the site's current General Plan Land Use designation.

***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 Lake Elsinore General Plan designates the Project site as "Limited Industrial" land uses. The "Limited Industrial" designation allows for manufacturing, assembly, electronics, warehousing, machine repair shops, and other non-hazardous and low nuisance industrial uses with a maximum FAR of 0.30 (46).

The City of Lake Elsinore designates the Project site as "Light Manufacturing (M-1)" and "General Manufacturing (M-2)" zoning uses. The Project proposes a Zone Change Amendment that would modify the "Light Manufacturing (M-1)" and "General Manufacturing (M-2)" uses to "General Manufacturing (M-2)" uses. The "General Manufacturing (M-2)" designation allows for a full range of industrial, manufacturing, and related establishments (47).

The Project will consist of two new warehouse buildings totaling a combined 1,000,451 SF. Building 1 will be 212,028 SF, inclusive of 5,000 SF of ground floor office, 5,000 SF of mezzanine, and include 23 dock doors along the southwest side of the building. Building 2 will be 788,423 SF inclusive of 10,000 SF of ground floor office, 10,000 SF of mezzanine, and include 110 dock doors along the northeast side of the building.

As the Project is not consistent with the current zoning use designations and would result in $NO_X$ emission exceedances, the Project would result in significant and unavoidable impacts 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 $NO_X$. 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.

## 3.11 TOXIC AIR CONTAMINANTS

#### CONSTRUCTION AND OPERATIONAL

Based on the results of the *Baker Lake Elsinore Mobile Source Health Risk Assessment* (48), emissions generated from the Project during short-term construction and long-term operation will not exceed SCAQMD significance thresholds for cancer and non-cancer health risks. As such, a less than significant impact is expected.

## 3.12 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.

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.

Additionally, results of the Health Risk Assessment determined that at the land use with the greatest potential exposure to Project construction-source and operational-source DPM emissions, also known as the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project construction-source and operational-source DPM emissions is estimated at 4.20 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location.

### 3.11.1 FRIANT RANCH CASE

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5$^{th}$ 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 Lake Elsinore, 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 $PM_{2.5}$.

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.

## 3.13 ODORS

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; and
- 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 (49).

## 3.14 CUMULATIVE IMPACTS

As previously shown in Table 2-3, 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 $PM_{2.5}$.

The 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* (50). 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 exceeding the SCAQMD's thresholds 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. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds would be considered cumulatively considerable.

#### CONSTRUCTION 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 IMPACTS**

As substantiated in this analysis, Project-level operational-source $NO_X$ emissions impacts would be significant and unavoidable. Per SCAQMD protocols, Project operational-source $NO_X$ emissions impacts would also be cumulatively significant.

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# 5 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Baker Lake Elsinore. 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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### EDUCATION

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

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

### PROFESSIONAL AFFILIATIONS

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

### PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – CARB • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 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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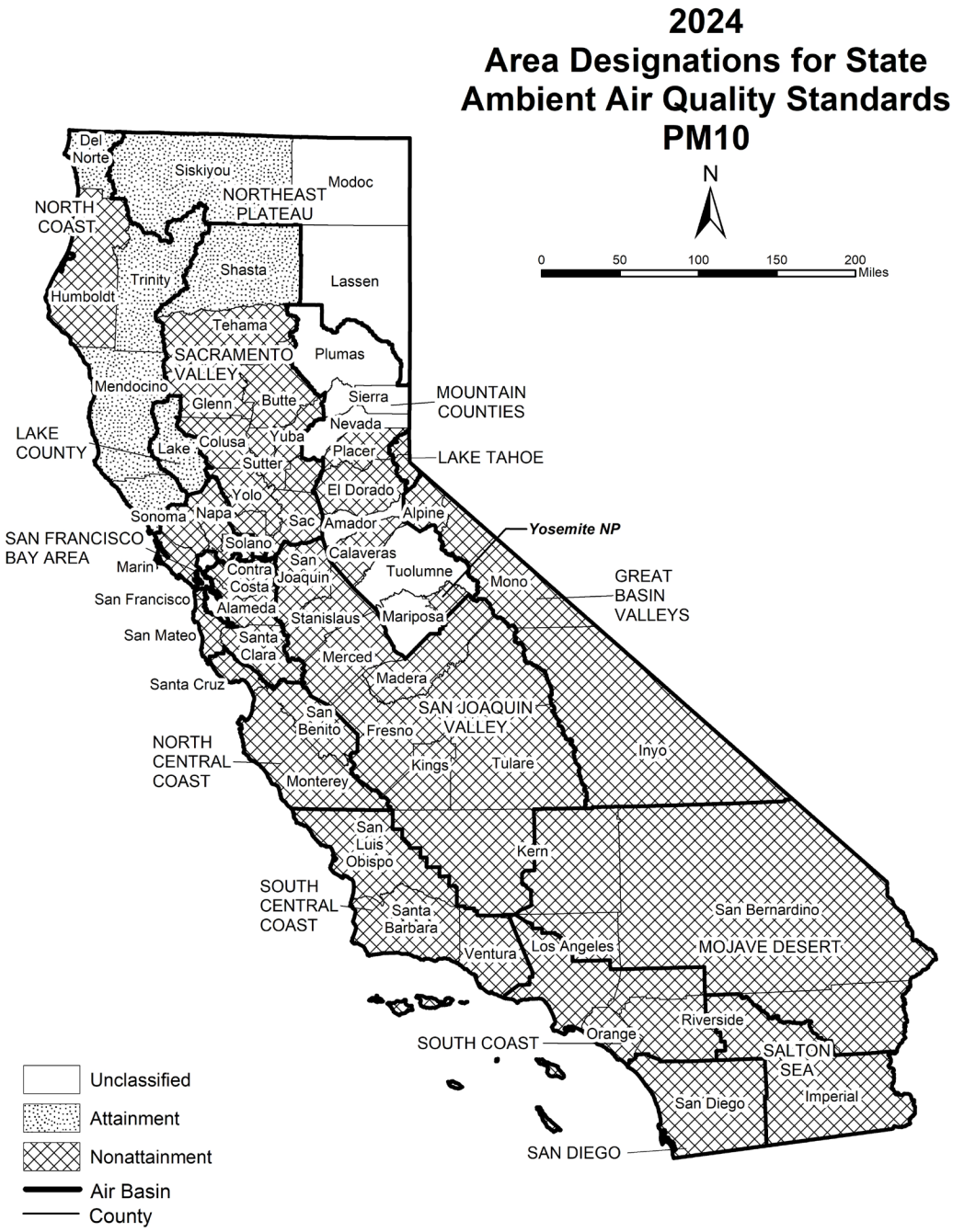
Air Quality Planning and Science Division, CARB

## 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

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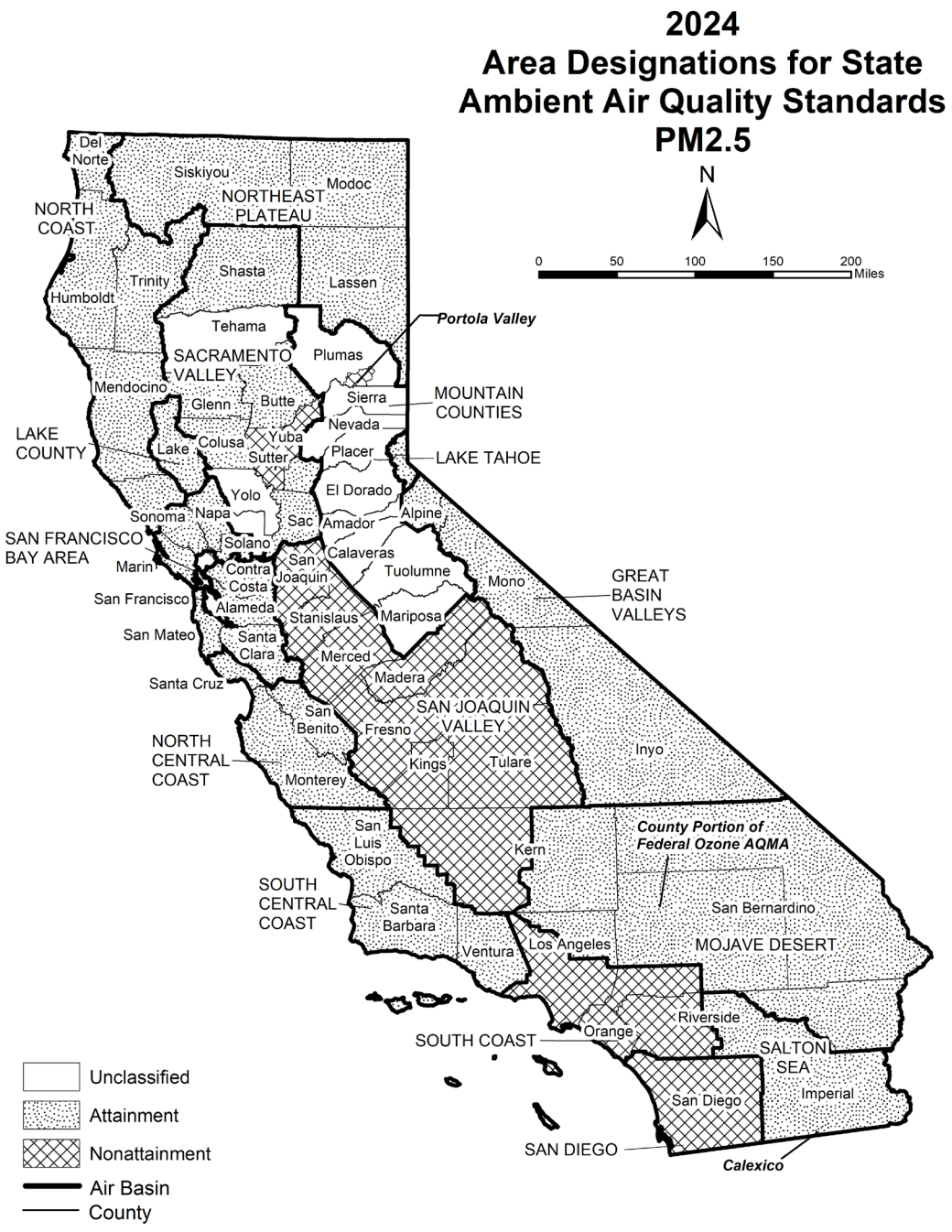
## Table 3
## California Ambient Air Quality Standards Area Designations for Fine Particulate Matter ($PM_{2.5}$)

| 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

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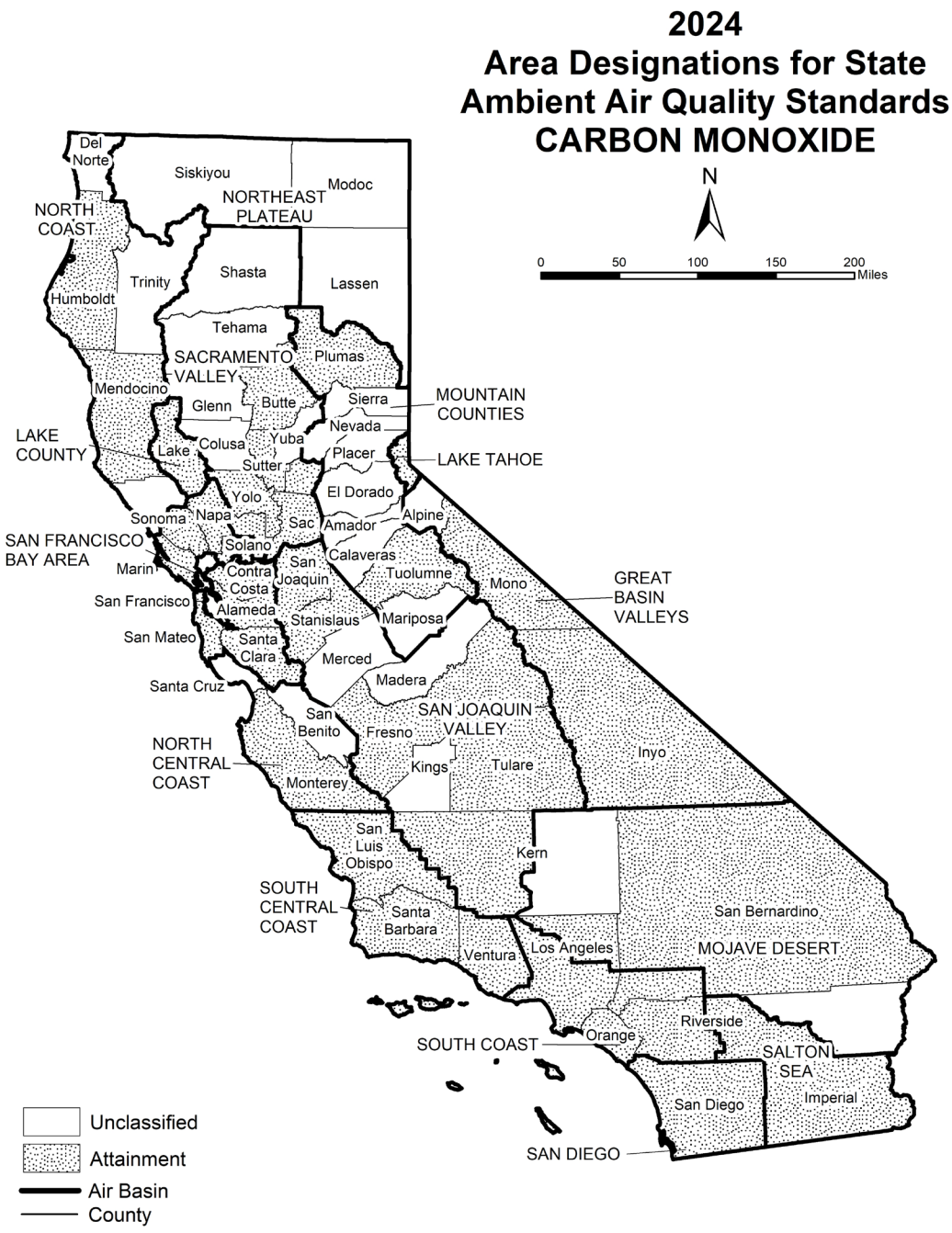
## Table 4
## California Ambient Air Quality Standards Area Designations for Carbon Monoxide*

| 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

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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

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**

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

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 |

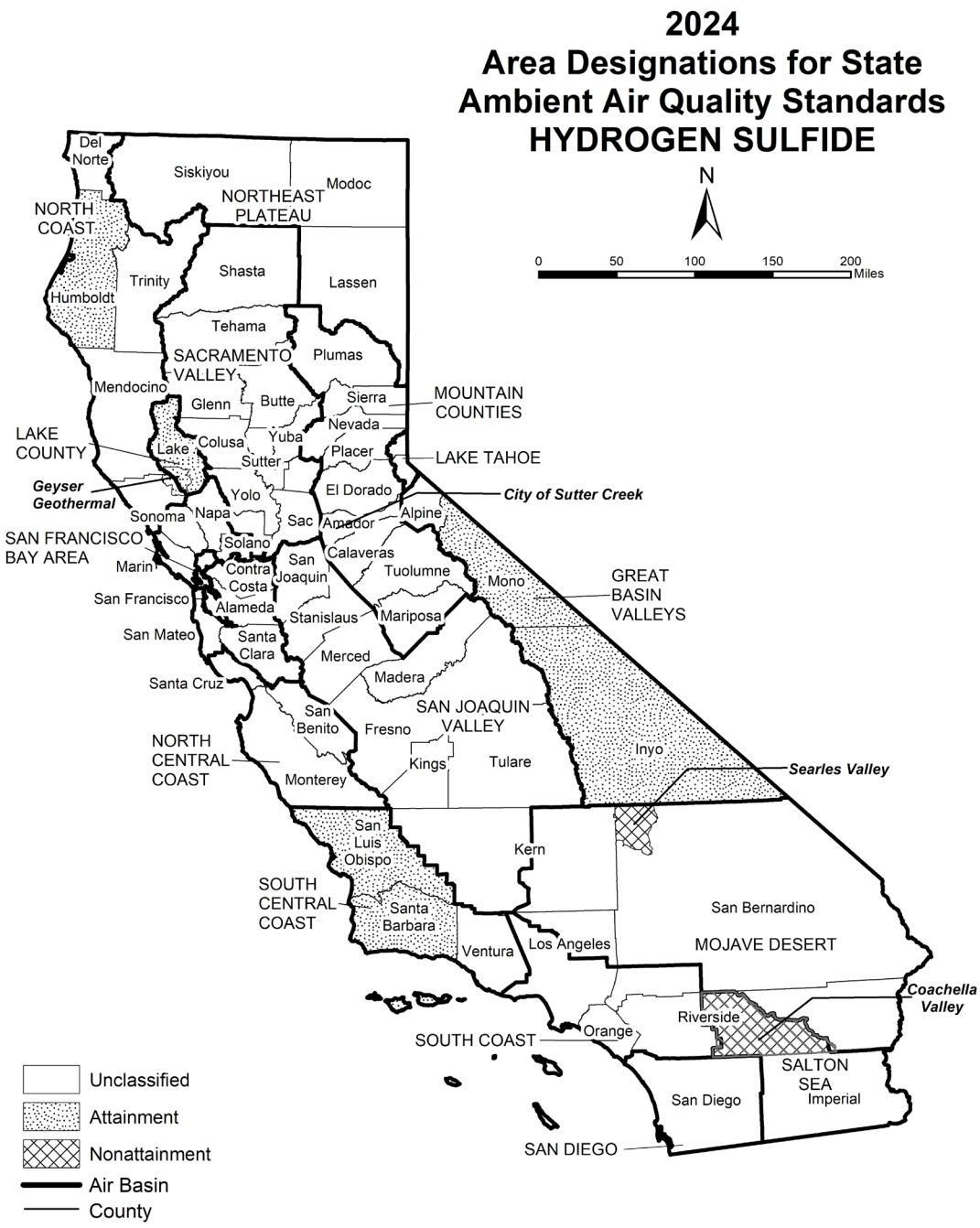
| Area | Designations |
|---|---|
| NORTH CENTRAL COAST AIR BASIN | U |
| NORTH COAST AIR BASIN | |
| Del Norte County | U |
| Humboldt County | A |
| Mendocino County | U |
| Sonoma County (portion) | |
| - Geyser Geothermal Area[5] | A |
| - Remainder of County | U |
| Trinity County | U |
| NORTHEAST 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**

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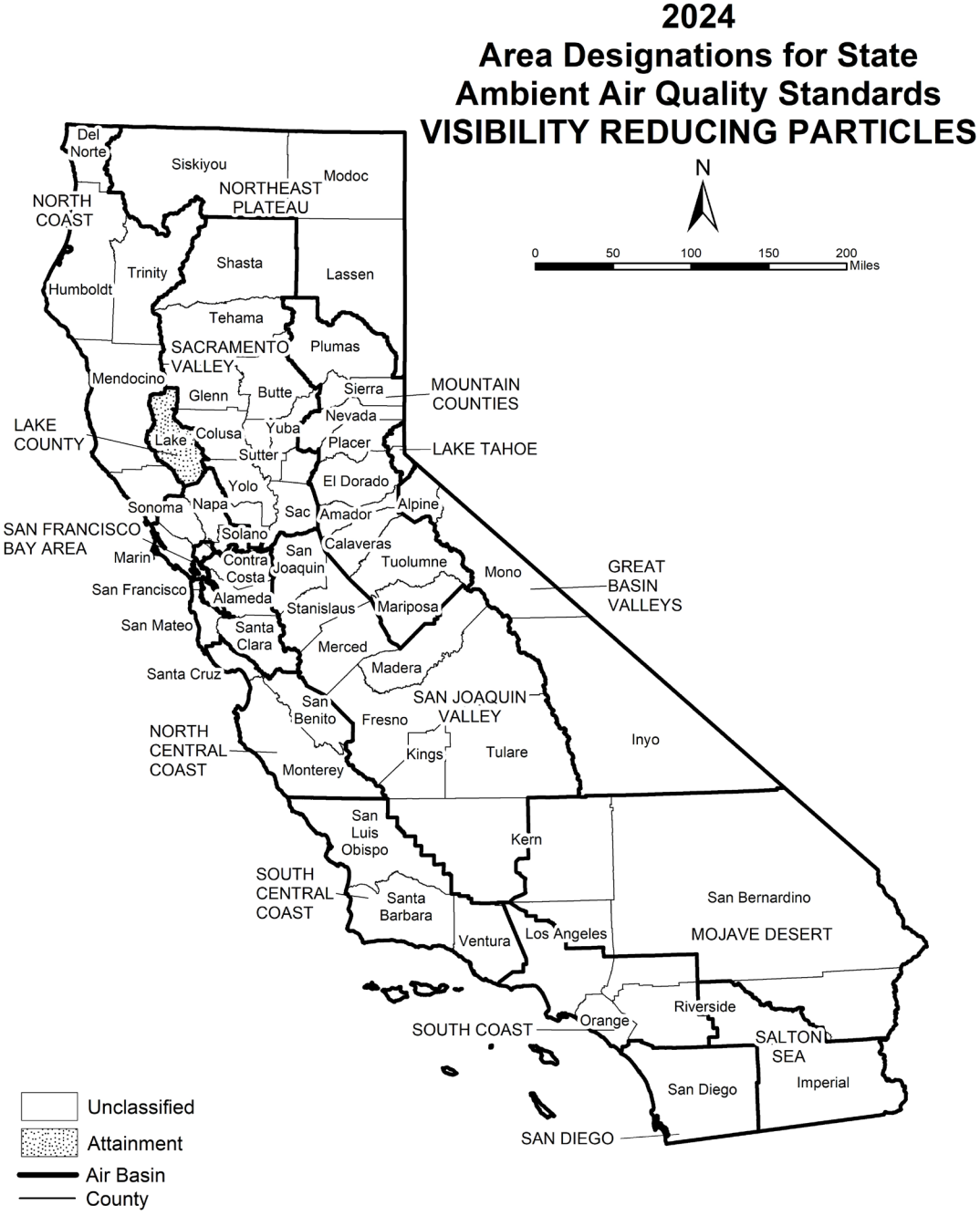
## Table 10
## California Ambient Air Quality Standards Area Designations for Visibility Reducing Particles

| 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

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# 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 |

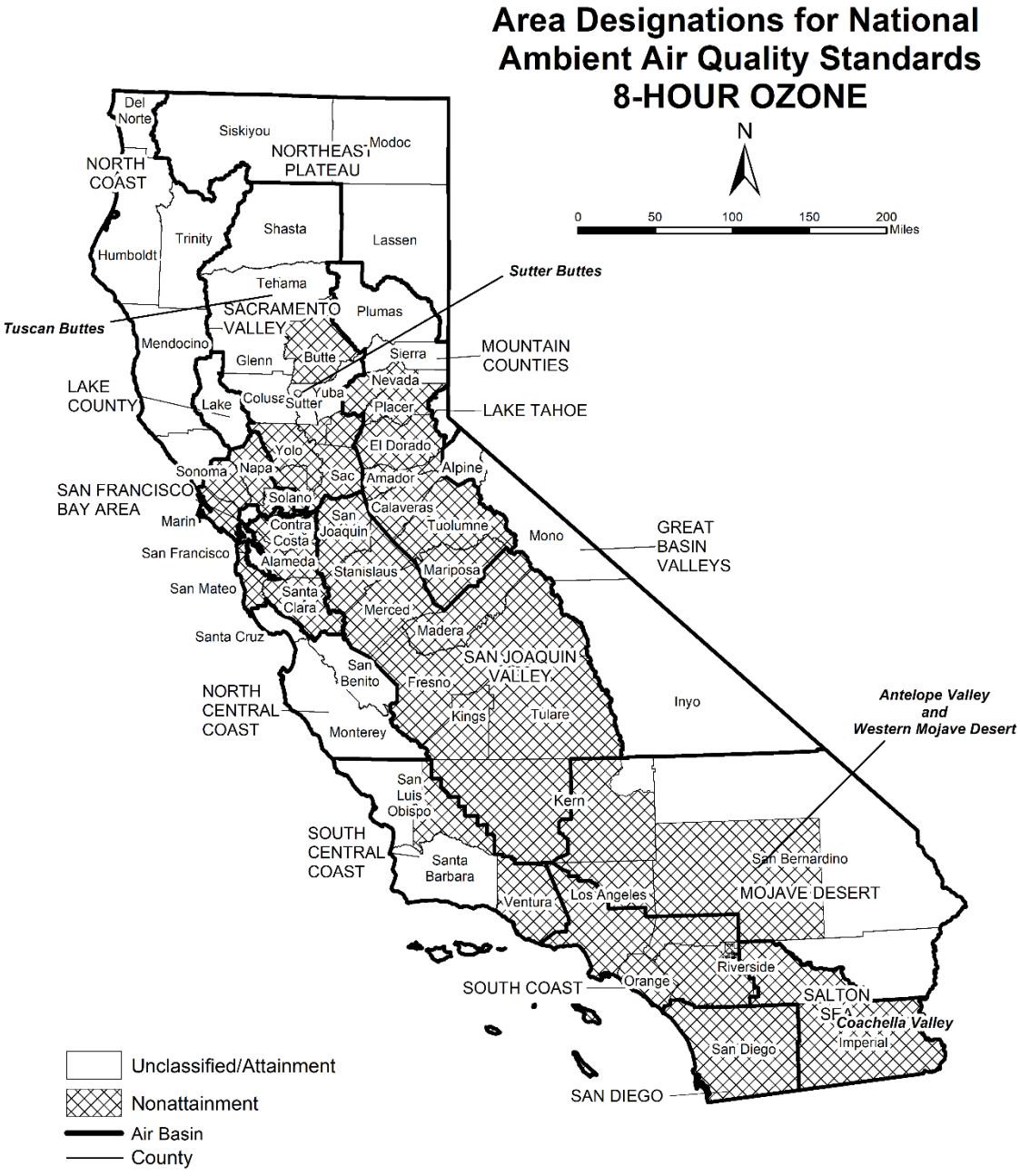
* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

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
Tuscan Buttes
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Yuba
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 JOAQUIN VALLEY
San Benito
Fresno
Inyo
Antelope Valley and Western Mojave Desert
NORTH CENTRAL COAST
Kings
Tulare
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

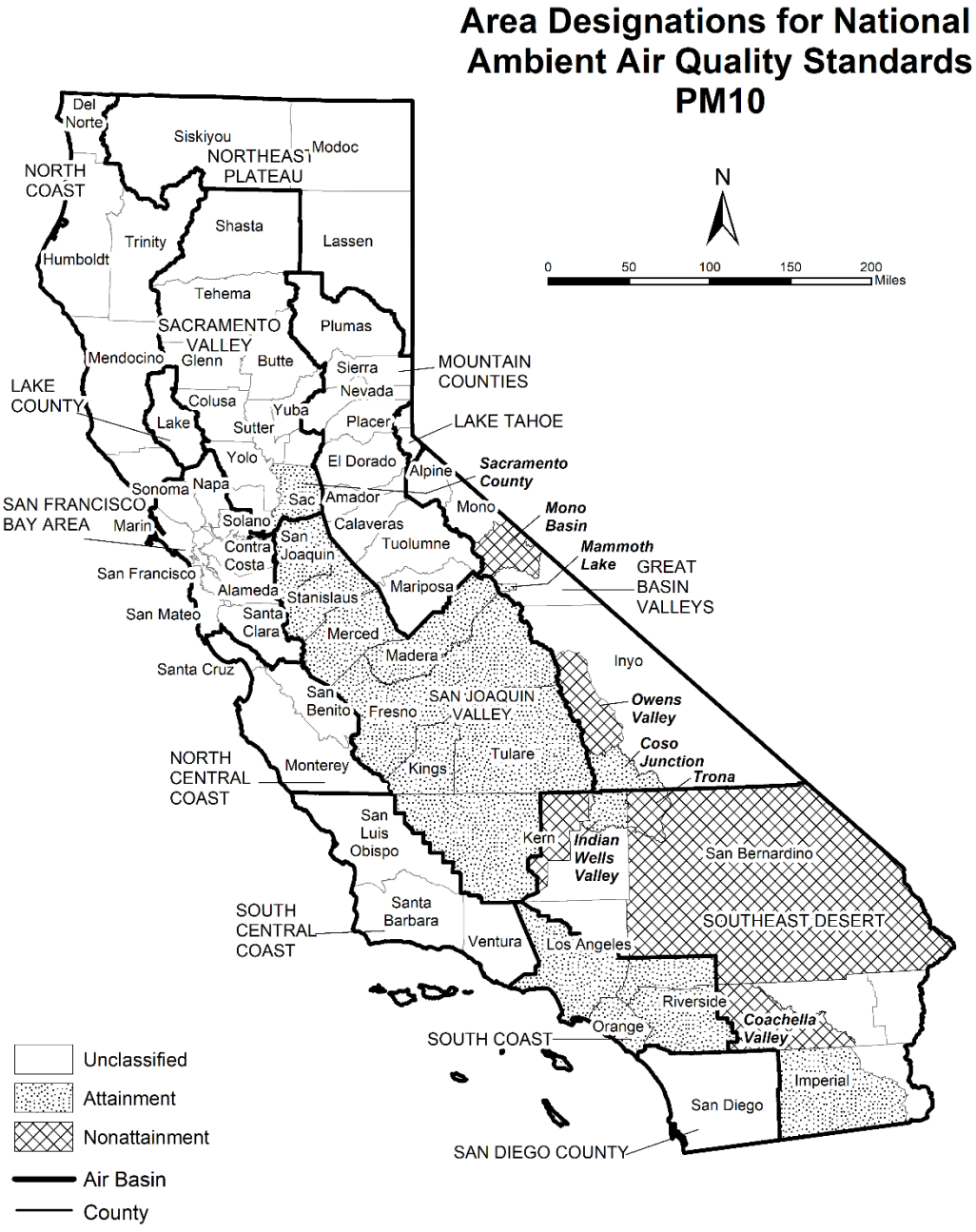
## Table 12 National Ambient Air Quality Standards Area Designations for Suspended Particulate Matter ($PM_{10}$)*

| 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




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.

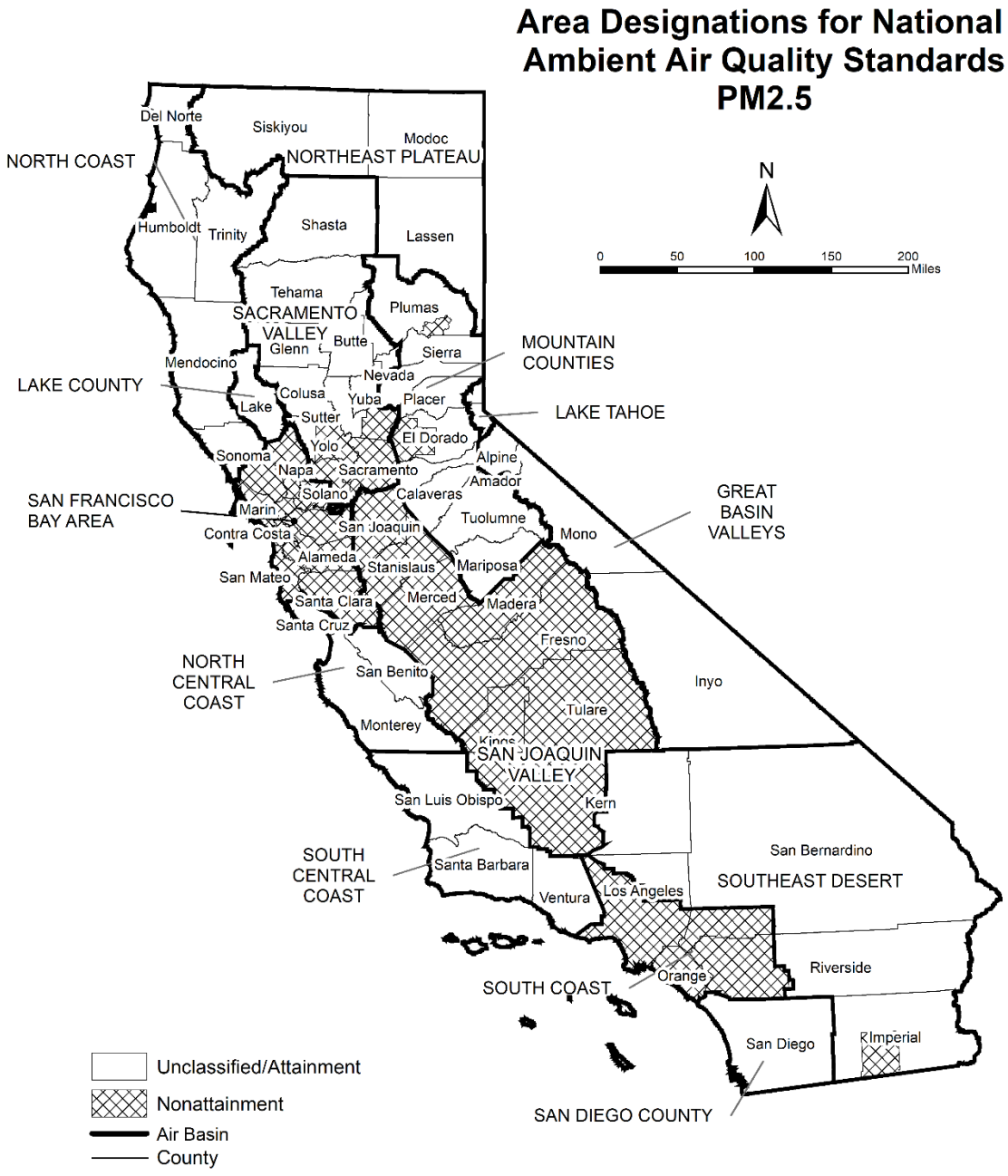
[8] For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

[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
Madera
Santa Clara
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
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
Nevada
MOUNTAIN COUNTIES
Colusa
Yuba
Placer
LAKE COUNTY
Lake
Sutter
LAKE TAHOE
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
NORTH CENTRAL COAST
Tulare
Inyo
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*

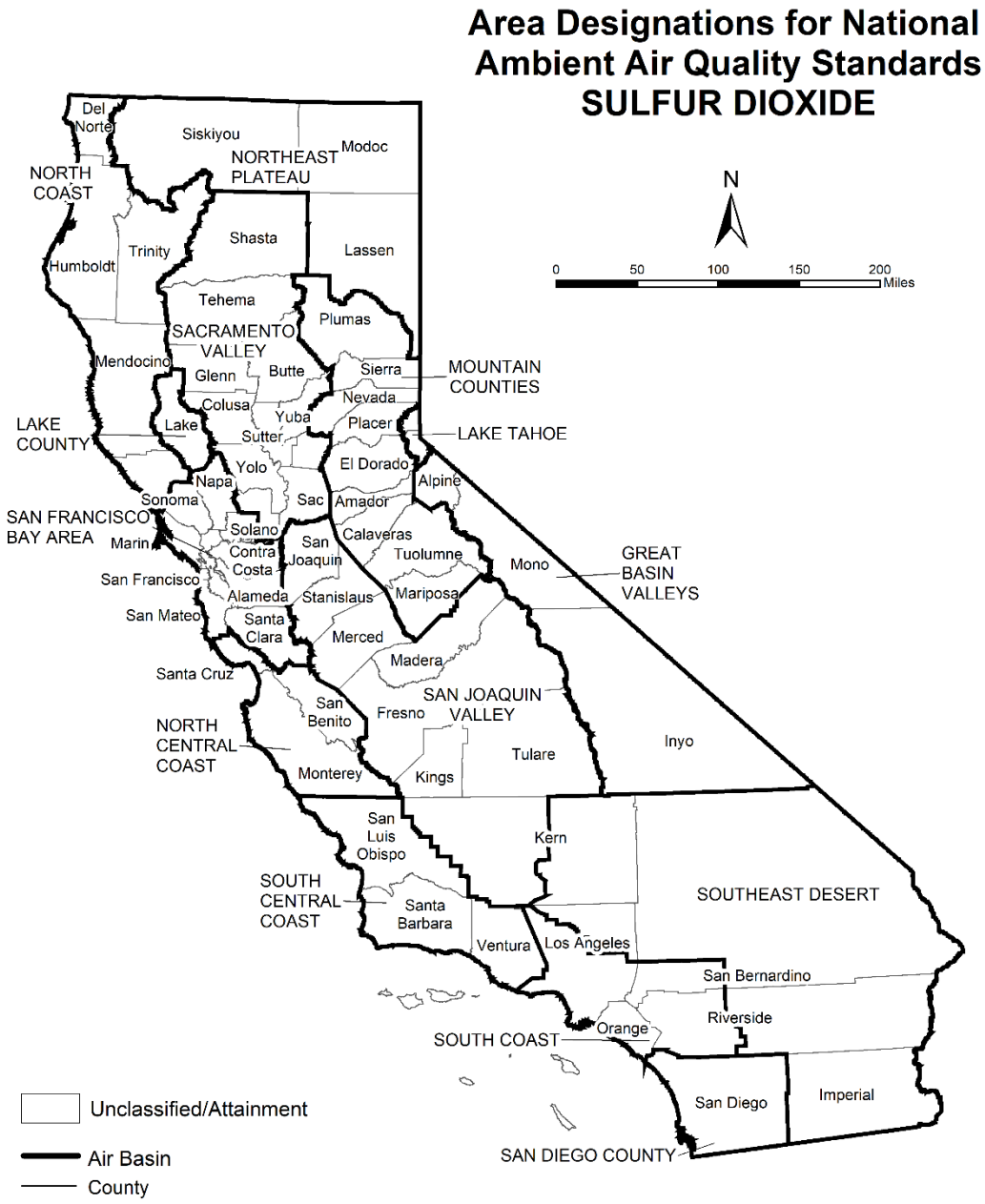
| Area | Designations |
|---|---|
| GREAT BASIN VALLEYS AIR BASIN | U/A |
| LAKE COUNTY AIR BASIN | U/A |
| LAKE TAHOE AIR BASIN | U/A |
| MOUNTAIN COUNTIES AIR BASIN | U/A |
| NORTH CENTRAL COAST AIR BASIN | U/A |
| NORTH COAST AIR BASIN | U/A |
| NORTHEAST PLATEAU AIR BASIN | U/A |
| SACRAMENTO VALLEY 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

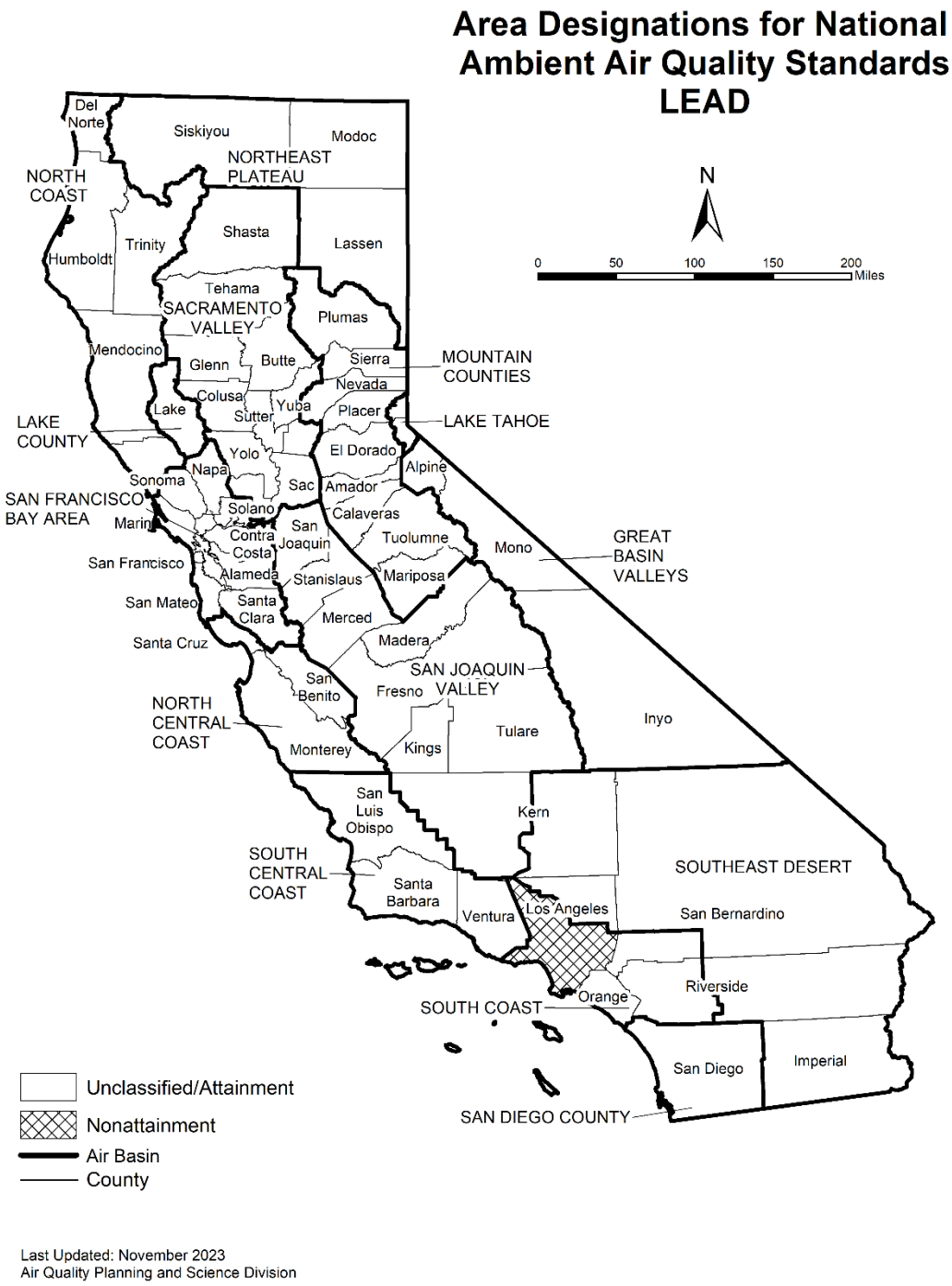

Area Designations for National Ambient Air Quality Standards
SULFUR DIOXIDE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Trinity
Lassen
Humboldt
Tehema
Plumas
SACRAMENTO VALLEY
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Yuba
Placer
LAKE COUNTY
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 PROPOSED EMISSIONS MODEL OUTPUTS

# 15852 - Baker Industrial (Tier 4) Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15852 - Baker Industrial (Tier 4) |
| Construction Start Date | 4/1/2026 |
| Operational Year | 2027 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 21.8 |
| Location | 33.703271, -117.365751 |
| County | Riverside-South Coast |
| City | Lake Elsinore |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5527 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.25 |

## 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 |
|---|---|---|---|---|---|---|---|---|

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 100 | 1000sqft | 2.31 | 100,451 | 88,930 | — | — | Trucks |
| Manufacturing | 100 | 1000sqft | 2.30 | 100,045 | 88,930 | — | — | Trucks |
| Parking Lot | 805 | Space | 7.34 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 35.5 | Acre | 35.5 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 1,000 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | PC |
| Unrefrigerated Warehouse-No Rail | 800 | 1000sqft | 18.4 | 800,361 | 711,440 | — | — | Trucks |

### 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. | 64.2 | 63.8 | 36.0 | 63.4 | 0.16 | 0.47 | 7.95 | 8.23 | 0.46 | 2.75 | 2.86 | — | 21,519 | 21,519 | 0.56 | 2.38 | 32.1 | 22,275 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 60.0 | 59.7 | 17.3 | 43.6 | 0.06 | 0.19 | 7.76 | 7.95 | 0.19 | 1.87 | 2.05 | — | 13,109 | 13,109 | 0.29 | 0.86 | 0.82 | 13,375 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 15.5 | 15.4 | 10.2 | 20.7 | 0.04 | 0.11 | 3.23 | 3.33 | 0.11 | 0.86 | 0.96 | — | 6,696 | 6,696 | 0.17 | 0.53 | 6.14 | 6,863 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.84 | 2.81 | 1.85 | 3.77 | 0.01 | 0.02 | 0.59 | 0.61 | 0.02 | 0.16 | 0.18 | — | 1,109 | 1,109 | 0.03 | 0.09 | 1.02 | 1,136 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 2.51 | 2.21 | 36.0 | 47.2 | 0.16 | 0.47 | 6.84 | 7.31 | 0.46 | 2.75 | 2.86 | — | 21,519 | 21,519 | 0.56 | 2.38 | 31.0 | 22,275 |
| 2027 | 64.2 | 63.8 | 24.1 | 63.4 | 0.07 | 0.28 | 7.95 | 8.23 | 0.27 | 1.91 | 2.18 | — | 15,369 | 15,369 | 0.35 | 0.88 | 32.1 | 15,673 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 2.41 | 2.11 | 15.9 | 40.0 | 0.06 | 0.15 | 6.66 | 6.81 | 0.15 | 1.61 | 1.76 | — | 12,057 | 12,057 | 0.28 | 0.86 | 0.80 | 12,322 |
| 2027 | 60.0 | 59.7 | 17.3 | 43.6 | 0.06 | 0.19 | 7.76 | 7.95 | 0.19 | 1.87 | 2.05 | — | 13,109 | 13,109 | 0.29 | 0.86 | 0.82 | 13,375 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 1.08 | 0.93 | 10.2 | 20.7 | 0.04 | 0.11 | 3.23 | 3.33 | 0.11 | 0.86 | 0.96 | — | 6,696 | 6,696 | 0.17 | 0.53 | 6.14 | 6,863 |
| 2027 | 15.5 | 15.4 | 7.61 | 18.7 | 0.03 | 0.08 | 3.03 | 3.11 | 0.08 | 0.73 | 0.81 | — | 5,449 | 5,449 | 0.13 | 0.36 | 5.44 | 5,564 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 0.20 | 0.17 | 1.85 | 3.77 | 0.01 | 0.02 | 0.59 | 0.61 | 0.02 | 0.16 | 0.18 | — | 1,109 | 1,109 | 0.03 | 0.09 | 1.02 | 1,136 |
| 2027 | 2.84 | 2.81 | 1.39 | 3.42 | < 0.005 | 0.01 | 0.55 | 0.57 | 0.01 | 0.13 | 0.15 | — | 902 | 902 | 0.02 | 0.06 | 0.90 | 921 |

## 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. | 42.5 | 39.6 | 80.5 | 172 | 0.91 | 1.56 | 48.6 | 50.2 | 1.48 | 12.7 | 14.1 | 967 | 103,904 | 104,871 | 100 | 12.0 | 403 | 111,348 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 34.4 | 32.1 | 83.8 | 108 | 0.89 | 1.49 | 48.6 | 50.1 | 1.42 | 12.7 | 14.1 | 967 | 101,906 | 102,873 | 100 | 12.0 | 119 | 109,079 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 36.1 | 34.1 | 61.3 | 111 | 0.66 | 1.06 | 35.5 | 36.6 | 1.01 | 9.26 | 10.3 | 967 | 77,646 | 78,613 | 99.9 | 9.20 | 205 | 84,058 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 6.59 | 6.22 | 11.2 | 20.3 | 0.12 | 0.19 | 6.49 | 6.68 | 0.18 | 1.69 | 1.87 | 160 | 12,855 | 13,015 | 16.5 | 1.52 | 33.9 | 13,917 |

## 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 | 10.7 | 8.50 | 77.3 | 126 | 0.90 | 1.34 | 48.6 | 49.9 | 1.28 | 12.7 | 13.9 | — | 94,905 | 94,905 | 1.83 | 10.8 | 291 | 98,454 |
| Area | 30.7 | 30.1 | 0.37 | 43.5 | < 0.005 | 0.08 | — | 0.08 | 0.06 | — | 0.06 | — | 179 | 179 | 0.01 | < 0.005 | — | 180 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 42.5 | 39.6 | 80.5 | 172 | 0.91 | 1.56 | 48.6 | 50.2 | 1.48 | 12.7 | 14.1 | 967 | 103,904 | 104,871 | 100 | 12.0 | 403 | 111,348 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 10.3 | 8.19 | 81.1 | 106 | 0.88 | 1.34 | 48.6 | 49.9 | 1.28 | 12.7 | 13.9 | — | 93,086 | 93,086 | 1.84 | 10.8 | 7.56 | 96,364 |
| Area | 23.0 | 23.0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 34.4 | 32.1 | 83.8 | 108 | 0.89 | 1.49 | 48.6 | 50.1 | 1.42 | 12.7 | 14.1 | 967 | 101,906 | 102,873 | 100 | 12.0 | 119 | 109,079 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 7.66 | 6.06 | 60.7 | 80.9 | 0.66 | 0.99 | 35.5 | 36.5 | 0.95 | 9.26 | 10.2 | — | 69,138 | 69,138 | 1.36 | 8.02 | 93.1 | 71,656 |
| Area | 28.3 | 27.9 | 0.25 | 29.8 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 123 | 123 | 0.01 | < 0.005 | — | 123 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Stationary | 0.15 | 0.13 | 0.38 | 0.34 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 69.0 | 69.0 | < 0.005 | < 0.005 | 0.00 | 69.2 |
| Total | 36.1 | 34.1 | 61.3 | 111 | 0.66 | 1.06 | 35.5 | 36.6 | 1.01 | 9.26 | 10.3 | 967 | 77,646 | 78,613 | 99.9 | 9.20 | 205 | 84,058 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.40 | 1.11 | 11.1 | 14.8 | 0.12 | 0.18 | 6.49 | 6.67 | 0.17 | 1.69 | 1.86 | — | 11,447 | 11,447 | 0.23 | 1.33 | 15.4 | 11,863 |
| Area | 5.16 | 5.09 | 0.05 | 5.44 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 20.3 | 20.3 | < 0.005 | < 0.005 | — | 20.4 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 1,118 | 1,118 | 0.11 | 0.01 | — | 1,124 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 73.4 | 259 | 333 | 7.55 | 0.18 | — | 576 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 86.6 | 0.00 | 86.6 | 8.66 | 0.00 | — | 303 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 18.5 | 18.5 |
| Stationary | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 6.59 | 6.22 | 11.2 | 20.3 | 0.12 | 0.19 | 6.49 | 6.68 | 0.18 | 1.69 | 1.87 | 160 | 12,855 | 13,015 | 16.5 | 1.52 | 33.9 | 13,917 |

# 3. Construction Emissions Details

## 3.1. Demolition (2026) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41 | 0.41 | 11.9 | 18.2 | 0.03 | 0.20 | — | 0.20 | 0.19 | — | 0.19 | — | 3,427 | 3,427 | 0.14 | 0.03 | — | 3,438 |
| Demolition | — | — | — | — | — | — | 0.13 | 0.13 | — | 0.02 | 0.02 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.02 | 0.59 | 0.90 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 169 | 169 | 0.01 | < 0.005 | — | 170 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | < 0.005 | < 0.005 | 0.11 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 28.0 | 28.0 | < 0.005 | < 0.005 | — | 28.1 |
| 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 | 0.07 | 0.06 | 0.06 | 1.08 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 207 | 207 | 0.01 | 0.01 | 0.70 | 210 |
| Vendor | 0.01 | 0.01 | 0.26 | 0.08 | < 0.005 | < 0.005 | 0.07 | 0.07 | < 0.005 | 0.02 | 0.02 | — | 241 | 241 | 0.01 | 0.04 | 0.66 | 253 |
| Hauling | < 0.005 | < 0.005 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 102 | 102 | < 0.005 | 0.02 | 0.21 | 107 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | — | 9.50 | 9.50 | < 0.005 | < 0.005 | 0.01 | 9.63 |
| Vendor | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 11.9 | 11.9 | < 0.005 | < 0.005 | 0.01 | 12.4 |
| Hauling | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.01 | 5.01 | < 0.005 | < 0.005 | < 0.005 | 5.26 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.57 | 1.57 | < 0.005 | < 0.005 | < 0.005 | 1.59 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.97 | 1.97 | < 0.005 | < 0.005 | < 0.005 | 2.06 |
| Hauling | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 0.83 | 0.83 | < 0.005 | < 0.005 | < 0.005 | 0.87 |

## 3.3. Site Preparation (2026) - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.68 | 0.68 | 15.7 | 30.0 | 0.05 | 0.10 | — | 0.10 | 0.10 | — | 0.10 | — | 5,532 | 5,532 | 0.22 | 0.04 | — | 5,551 |
| Dust From Material Movement | — | — | — | — | — | — | 5.66 | 5.66 | — | 2.69 | 2.69 | — | — | — | — | — | — | — |
| 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 | 0.02 | 0.02 | 0.47 | 0.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 167 | 167 | 0.01 | < 0.005 | — | 167 |
| Dust From Material Movement | — | — | — | — | — | — | 0.17 | 0.17 | — | 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 | < 0.005 | < 0.005 | 0.09 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 27.6 | 27.6 | < 0.005 | < 0.005 | — | 27.7 |
| Dust From Material Movement | — | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.07 | 0.07 | 1.26 | 0.00 | 0.00 | 0.23 | 0.23 | 0.00 | 0.05 | 0.05 | — | 241 | 241 | 0.01 | 0.01 | 0.82 | 245 |
| Vendor | 0.01 | < 0.005 | 0.16 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 151 | 151 | < 0.005 | 0.02 | 0.41 | 158 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.77 | 6.77 | < 0.005 | < 0.005 | 0.01 | 6.86 |
| Vendor | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 4.54 | 4.54 | < 0.005 | < 0.005 | 0.01 | 4.75 |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.12 | 1.12 | < 0.005 | < 0.005 | < 0.005 | 1.14 |
| 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 | 0.79 |
| 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 (2026) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.82 | 0.82 | 19.9 | 36.2 | 0.06 | 0.18 | — | 0.18 | 0.18 | — | 0.18 | — | 6,715 | 6,715 | 0.27 | 0.05 | — | 6,738 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 2.69 | 2.69 | — | 0.98 | 0.98 | — | — | — | — | — | — | — |
| 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 | 0.07 | 0.07 | 1.64 | 2.97 | 0.01 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 552 | 552 | 0.02 | < 0.005 | — | 554 |
| Dust From Material Movement | — | — | — | — | — | — | 0.22 | 0.22 | — | 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 | 0.30 | 0.54 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 91.4 | 91.4 | < 0.005 | < 0.005 | — | 91.7 |
| Dust From Material Movement | — | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.08 | 0.08 | 1.44 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06 | 0.06 | — | 276 | 276 | 0.01 | 0.01 | 0.93 | 280 |
| Vendor | 0.02 | 0.01 | 0.45 | 0.14 | < 0.005 | 0.01 | 0.12 | 0.13 | 0.01 | 0.03 | 0.04 | — | 421 | 421 | 0.01 | 0.07 | 1.15 | 442 |
| Hauling | 0.60 | 0.23 | 15.5 | 3.80 | 0.10 | 0.28 | 3.77 | 4.05 | 0.28 | 1.06 | 1.33 | — | 14,107 | 14,107 | 0.27 | 2.26 | 28.9 | 14,814 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.09 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 21.1 | 21.1 | < 0.005 | < 0.005 | 0.03 | 21.4 |
| Vendor | < 0.005 | < 0.005 | 0.04 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 34.6 | 34.6 | < 0.005 | 0.01 | 0.04 | 36.3 |
| Hauling | 0.05 | 0.02 | 1.34 | 0.31 | 0.01 | 0.02 | 0.31 | 0.33 | 0.02 | 0.09 | 0.11 | — | 1,160 | 1,160 | 0.02 | 0.19 | 1.03 | 1,217 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.50 | 3.50 | < 0.005 | < 0.005 | 0.01 | 3.54 |
| Vendor | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.74 | 5.74 | < 0.005 | < 0.005 | 0.01 | 6.01 |
| Hauling | 0.01 | < 0.005 | 0.24 | 0.06 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | — | 192 | 192 | < 0.005 | 0.03 | 0.17 | 201 |

## 3.7. Building Construction (2026) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.35 | 0.35 | 9.48 | 15.7 | 0.03 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 2,630 | 2,630 | 0.11 | 0.02 | — | 2,639 |
| 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 | 0.35 | 0.35 | 9.48 | 15.7 | 0.03 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 2,630 | 2,630 | 0.11 | 0.02 | — | 2,639 |
| 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 | 0.13 | 0.13 | 3.56 | 5.89 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 988 | 988 | 0.04 | 0.01 | — | 992 |
| 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 | 0.65 | 1.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 164 | 164 | 0.01 | < 0.005 | — | 164 |
| 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 | 1.98 | 1.78 | 1.65 | 30.2 | 0.00 | 0.00 | 5.49 | 5.49 | 0.00 | 1.29 | 1.29 | — | 5,797 | 5,797 | 0.25 | 0.20 | 19.6 | 5,882 |
| Vendor | 0.19 | 0.09 | 4.37 | 1.36 | 0.03 | 0.06 | 1.16 | 1.22 | 0.06 | 0.32 | 0.38 | — | 4,094 | 4,094 | 0.09 | 0.63 | 11.2 | 4,296 |
| 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 | 1.89 | 1.68 | 1.84 | 22.9 | 0.00 | 0.00 | 5.49 | 5.49 | 0.00 | 1.29 | 1.29 | — | 5,331 | 5,331 | 0.08 | 0.21 | 0.51 | 5,395 |
| Vendor | 0.18 | 0.08 | 4.56 | 1.39 | 0.03 | 0.06 | 1.16 | 1.22 | 0.06 | 0.32 | 0.38 | — | 4,097 | 4,097 | 0.09 | 0.63 | 0.29 | 4,288 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.71 | 0.63 | 0.76 | 9.00 | 0.00 | 0.00 | 2.04 | 2.04 | 0.00 | 0.48 | 0.48 | — | 2,028 | 2,028 | 0.03 | 0.08 | 3.19 | 2,056 |
| Vendor | 0.07 | 0.03 | 1.72 | 0.52 | 0.01 | 0.02 | 0.43 | 0.46 | 0.02 | 0.12 | 0.14 | — | 1,539 | 1,539 | 0.03 | 0.24 | 1.81 | 1,612 |
| 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 | 0.13 | 0.11 | 0.14 | 1.64 | 0.00 | 0.00 | 0.37 | 0.37 | 0.00 | 0.09 | 0.09 | — | 336 | 336 | 0.01 | 0.01 | 0.53 | 340 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.01 | 0.01 | 0.31 | 0.09 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.03 | — | 255 | 255 | 0.01 | 0.04 | 0.30 | 267 |
| 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 (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 | 0.35 | 0.35 | 9.48 | 15.7 | 0.03 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 2,630 | 2,630 | 0.11 | 0.02 | — | 2,639 |
| 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 | 0.35 | 0.35 | 9.48 | 15.7 | 0.03 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 2,630 | 2,630 | 0.11 | 0.02 | — | 2,639 |
| 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 | 0.15 | 0.15 | 3.97 | 6.56 | 0.01 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 1,101 | 1,101 | 0.04 | 0.01 | — | 1,105 |
| 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 | 0.03 | 0.03 | 0.72 | 1.20 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 182 | 182 | 0.01 | < 0.005 | — | 183 |
| 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 | 1.90 | 1.69 | 1.46 | 27.9 | 0.00 | 0.00 | 5.49 | 5.49 | 0.00 | 1.29 | 1.29 | — | 5,690 | 5,690 | 0.06 | 0.20 | 17.7 | 5,769 |
| Vendor | 0.18 | 0.08 | 4.20 | 1.32 | 0.03 | 0.06 | 1.16 | 1.22 | 0.06 | 0.32 | 0.38 | — | 4,019 | 4,019 | 0.09 | 0.60 | 10.2 | 4,211 |
| 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 | 1.80 | 1.59 | 1.65 | 21.1 | 0.00 | 0.00 | 5.49 | 5.49 | 0.00 | 1.29 | 1.29 | — | 5,233 | 5,233 | 0.07 | 0.20 | 0.46 | 5,295 |
| Vendor | 0.18 | 0.08 | 4.39 | 1.36 | 0.03 | 0.06 | 1.16 | 1.22 | 0.06 | 0.32 | 0.38 | — | 4,022 | 4,022 | 0.09 | 0.60 | 0.27 | 4,204 |
| 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 | 0.75 | 0.67 | 0.76 | 9.28 | 0.00 | 0.00 | 2.27 | 2.27 | 0.00 | 0.53 | 0.53 | — | 2,219 | 2,219 | 0.03 | 0.08 | 3.19 | 2,248 |
| Vendor | 0.08 | 0.03 | 1.84 | 0.56 | 0.01 | 0.03 | 0.48 | 0.51 | 0.03 | 0.13 | 0.16 | — | 1,684 | 1,684 | 0.04 | 0.25 | 1.85 | 1,762 |
| 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 | 0.14 | 0.12 | 0.14 | 1.69 | 0.00 | 0.00 | 0.41 | 0.41 | 0.00 | 0.10 | 0.10 | — | 367 | 367 | 0.01 | 0.01 | 0.53 | 372 |
| Vendor | 0.01 | 0.01 | 0.34 | 0.10 | < 0.005 | < 0.005 | 0.09 | 0.09 | < 0.005 | 0.02 | 0.03 | — | 279 | 279 | 0.01 | 0.04 | 0.31 | 292 |
| 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 (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 | 0.23 | 0.23 | 7.21 | 10.6 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 3.74 | 3.74 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.02 | 0.02 | 0.59 | 0.87 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 124 | 124 | 0.01 | < 0.005 | — | 125 |
| Paving | 0.31 | 0.31 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.11 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 20.6 | 20.6 | < 0.005 | < 0.005 | — | 20.6 |
| Paving | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.05 | 1.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 203 | 203 | < 0.005 | 0.01 | 0.63 | 206 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.01 | < 0.005 | 0.01 | 0.06 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 15.5 | 15.5 | < 0.005 | < 0.005 | 0.02 | 15.7 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.57 | 2.57 | < 0.005 | < 0.005 | < 0.005 | 2.61 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.13. Architectural Coating (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 | 0.03 | 0.03 | 1.43 | 1.28 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 57.3 | 57.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 1.43 | 1.28 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 57.3 | 57.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.35 | 0.32 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 43.9 | 43.9 | < 0.005 | < 0.005 | — | 44.0 |
| Architectural Coatings | 14.1 | 14.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 7.27 | 7.27 | < 0.005 | < 0.005 | — | 7.29 |
| Architectural Coatings | 2.58 | 2.58 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.38 | 0.34 | 0.29 | 5.58 | 0.00 | 0.00 | 1.10 | 1.10 | 0.00 | 0.26 | 0.26 | — | 1,138 | 1,138 | 0.01 | 0.04 | 3.54 | 1,154 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.36 | 0.32 | 0.33 | 4.22 | 0.00 | 0.00 | 1.10 | 1.10 | 0.00 | 0.26 | 0.26 | — | 1,047 | 1,047 | 0.01 | 0.04 | 0.09 | 1,059 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.08 | 0.09 | 1.09 | 0.00 | 0.00 | 0.27 | 0.27 | 0.00 | 0.06 | 0.06 | — | 261 | 261 | < 0.005 | 0.01 | 0.38 | 265 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.02 | 0.20 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 43.3 | 43.3 | < 0.005 | < 0.005 | 0.06 | 43.8 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

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

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.35 | 0.22 | 6.94 | 2.45 | 0.06 | 0.12 | 2.38 | 2.50 | 0.11 | 0.64 | 0.75 | — | 6,692 | 6,692 | 0.11 | 0.96 | 21.3 | 7,003 |
| Manufacturing | 0.45 | 0.24 | 10.7 | 2.98 | 0.10 | 0.18 | 3.47 | 3.65 | 0.17 | 0.93 | 1.10 | — | 10,969 | 10,969 | 0.18 | 1.65 | 28.8 | 11,493 |
| 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 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 | 7.10 | 6.31 | 4.49 | 101 | 0.24 | 0.09 | 23.8 | 23.9 | 0.09 | 6.01 | 6.10 | — | 23,929 | 23,929 | 0.66 | 0.48 | 71.7 | 24,159 |
| Unrefrigerated Warehouse-No Rail | 2.77 | 1.73 | 55.3 | 19.5 | 0.50 | 0.95 | 18.9 | 19.9 | 0.90 | 5.08 | 5.98 | — | 53,316 | 53,316 | 0.88 | 7.69 | 170 | 55,798 |
| Total | 10.7 | 8.50 | 77.3 | 126 | 0.90 | 1.34 | 48.6 | 49.9 | 1.28 | 12.7 | 13.9 | — | 94,905 | 94,905 | 1.83 | 10.8 | 291 | 98,454 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.34 | 0.21 | 7.24 | 2.45 | 0.06 | 0.12 | 2.38 | 2.50 | 0.11 | 0.64 | 0.75 | — | 6,694 | 6,694 | 0.11 | 0.97 | 0.55 | 6,985 |
| Manufacturing | 0.44 | 0.23 | 11.1 | 3.00 | 0.10 | 0.18 | 3.47 | 3.65 | 0.17 | 0.93 | 1.10 | — | 10,973 | 10,973 | 0.18 | 1.65 | 0.75 | 11,469 |
| 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 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 | 6.84 | 6.06 | 5.00 | 80.8 | 0.22 | 0.09 | 23.8 | 23.9 | 0.09 | 6.01 | 6.10 | — | 22,088 | 22,088 | 0.67 | 0.52 | 1.86 | 22,260 |
| Unrefrigerated Warehouse-No Rail | 2.71 | 1.68 | 57.7 | 19.6 | 0.50 | 0.95 | 18.9 | 19.9 | 0.91 | 5.08 | 5.98 | — | 53,332 | 53,332 | 0.88 | 7.69 | 4.40 | 55,651 |
| Total | 10.3 | 8.19 | 81.1 | 106 | 0.88 | 1.34 | 48.6 | 49.9 | 1.28 | 12.7 | 13.9 | — | 93,086 | 93,086 | 1.84 | 10.8 | 7.56 | 96,364 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehou Rail | 0.05 | 0.03 | 0.98 | 0.33 | 0.01 | 0.02 | 0.31 | 0.33 | 0.02 | 0.08 | 0.10 | — | 810 | 810 | 0.01 | 0.12 | 1.11 | 846 |
| Manufacturing | 0.06 | 0.03 | 1.62 | 0.43 | 0.01 | 0.03 | 0.49 | 0.52 | 0.02 | 0.13 | 0.16 | — | 1,433 | 1,433 | 0.02 | 0.22 | 1.63 | 1,499 |
| 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 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 | 0.92 | 0.82 | 0.70 | 11.4 | 0.03 | 0.01 | 3.18 | 3.19 | 0.01 | 0.80 | 0.81 | — | 2,749 | 2,749 | 0.08 | 0.06 | 3.81 | 2,774 |
| Unrefrigerated Warehouse-No Rail | 0.37 | 0.23 | 7.78 | 2.60 | 0.07 | 0.13 | 2.50 | 2.62 | 0.12 | 0.67 | 0.79 | — | 6,455 | 6,455 | 0.11 | 0.93 | 8.87 | 6,744 |
| Total | 1.40 | 1.11 | 11.1 | 14.8 | 0.12 | 0.18 | 6.49 | 6.67 | 0.17 | 1.69 | 1.86 | — | 11,447 | 11,447 | 0.23 | 1.33 | 15.4 | 11,863 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,084 | 2,084 | 0.20 | 0.02 | — | 2,096 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufact | — | — | — | — | — | — | — | — | — | — | — | — | 908 | 908 | 0.09 | 0.01 | — | 913 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 266 | 266 | 0.03 | < 0.005 | — | 267 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 3,494 | 3,494 | 0.33 | 0.04 | — | 3,514 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,084 | 2,084 | 0.20 | 0.02 | — | 2,096 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | — | 908 | 908 | 0.09 | 0.01 | — | 913 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 266 | 266 | 0.03 | < 0.005 | — | 267 |
| Other 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 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | — | 3,494 | 3,494 | 0.33 | 0.04 | — | 3,514 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 345 | 345 | 0.03 | < 0.005 | — | 347 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | — | 150 | 150 | 0.01 | < 0.005 | — | 151 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 44.0 | 44.0 | < 0.005 | < 0.005 | — | 44.2 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 578 | 578 | 0.06 | 0.01 | — | 582 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,118 | 1,118 | 0.11 | 0.01 | — | 1,124 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigera 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 |
| 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 |
| 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 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 |
| 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 |
| 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated 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 |
| 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 |
| 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 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 |
| 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 |
| 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated 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 |
| 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 |
| 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 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 |
| 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 |
| 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 | 21.6 | 21.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.41 | 1.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 7.75 | 7.15 | 0.37 | 43.5 | < 0.005 | 0.08 | — | 0.08 | 0.06 | — | 0.06 | — | 179 | 179 | 0.01 | < 0.005 | — | 180 |
| Total | 30.7 | 30.1 | 0.37 | 43.5 | < 0.005 | 0.08 | — | 0.08 | 0.06 | — | 0.06 | — | 179 | 179 | 0.01 | < 0.005 | — | 180 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 21.6 | 21.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.41 | 1.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 23.0 | 23.0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 3.94 | 3.94 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.26 | 0.26 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landscape Equipme | 0.97 | 0.89 | 0.05 | 5.44 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 20.3 | 20.3 | < 0.005 | < 0.005 | — | 20.4 |
| Total | 5.16 | 5.09 | 0.05 | 5.44 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 20.3 | 20.3 | < 0.005 | < 0.005 | — | 20.4 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 44.5 | 157 | 202 | 4.58 | 0.11 | — | 349 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 156 | 201 | 4.56 | 0.11 | — | 348 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 355 | 1,252 | 1,606 | 36.5 | 0.88 | — | 2,780 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 44.5 | 157 | 202 | 4.58 | 0.11 | — | 349 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 156 | 201 | 4.56 | 0.11 | — | 348 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 355 | 1,252 | 1,606 | 36.5 | 0.88 | — | 2,780 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 7.37 | 26.0 | 33.4 | 0.76 | 0.02 | — | 57.8 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 7.34 | 25.9 | 33.2 | 0.76 | 0.02 | — | 57.5 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 58.7 | 207 | 266 | 6.04 | 0.15 | — | 460 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 73.4 | 259 | 333 | 7.55 | 0.18 | — | 576 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 50.9 | 0.00 | 50.9 | 5.09 | 0.00 | — | 178 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 66.9 | 0.00 | 66.9 | 6.68 | 0.00 | — | 234 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 405 | 0.00 | 405 | 40.5 | 0.00 | — | 1,419 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 50.9 | 0.00 | 50.9 | 5.09 | 0.00 | — | 178 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 66.9 | 0.00 | 66.9 | 6.68 | 0.00 | — | 234 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 405 | 0.00 | 405 | 40.5 | 0.00 | — | 1,419 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehou Rail | — | — | — | — | — | — | — | — | — | — | — | 8.43 | 0.00 | 8.43 | 0.84 | 0.00 | — | 29.5 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 11.1 | 0.00 | 11.1 | 1.11 | 0.00 | — | 38.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 67.1 | 0.00 | 67.1 | 6.71 | 0.00 | — | 235 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 86.6 | 0.00 | 86.6 | 8.66 | 0.00 | — | 303 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 102 | 102 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufact | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 9.35 | 9.35 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 102 | 102 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 9.35 | 9.35 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 17.0 | 17.0 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.55 | 1.55 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 18.5 | 18.5 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

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

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

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

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

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

### 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|---|---|---|---|---|---|---|
| Demolition | Demolition | 4/1/2026 | 4/24/2026 | 5.00 | 18.0 | — |
| Site Preparation | Site Preparation | 4/27/2026 | 5/11/2026 | 5.00 | 11.0 | — |
| Grading | Grading | 5/12/2026 | 6/22/2026 | 5.00 | 30.0 | — |
| Building Construction | Building Construction | 6/23/2026 | 8/2/2027 | 5.00 | 290 | — |
| Paving | Paving | 6/22/2027 | 8/2/2027 | 5.00 | 30.0 | — |
| Architectural Coating | Architectural Coating | 3/30/2027 | 8/2/2027 | 5.00 | 90.0 | — |

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | Diesel | Tier 4 Interim | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Tier 4 Interim | 3.00 | 8.00 | 36.0 | 0.38 |
| Demolition | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Rubber Tired Dozers | Diesel | Tier 4 Interim | 3.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Crawler Tractors | Diesel | Tier 4 Interim | 4.00 | 8.00 | 87.0 | 0.43 |
| Grading | Excavators | Diesel | Tier 4 Interim | 2.00 | 8.00 | 36.0 | 0.38 |
| Grading | Graders | Diesel | Tier 4 Interim | 1.00 | 8.00 | 148 | 0.41 |
| Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 1.00 | 8.00 | 367 | 0.40 |
| Grading | Scrapers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 423 | 0.48 |
| Grading | Crawler Tractors | Diesel | Tier 4 Interim | 2.00 | 8.00 | 87.0 | 0.43 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 1.00 | 8.00 | 367 | 0.29 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 3.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Generator Sets | Diesel | Tier 4 Interim | 1.00 | 8.00 | 14.0 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 3.00 | 8.00 | 84.0 | 0.37 |
| Building Construction | Welders | Diesel | Tier 4 Interim | 1.00 | 8.00 | 46.0 | 0.45 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.00 | 37.0 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Demolition | — | — | — | — |
| Demolition | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 8.00 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 1.50 | 20.0 | HHDT |
| Demolition | Onsite truck | — | — | HHDT |
| Site Preparation | — | — | — | — |
| Site Preparation | Worker | 17.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation | Vendor | 5.00 | 10.2 | HHDT,MHDT |
| Site Preparation | Hauling | 0.00 | 20.0 | HHDT |
| Site Preparation | Onsite truck | — | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 14.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 208 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| Grading | Onsite truck | — | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 420 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 136 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 84.1 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 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 | 1,501,286 | 500,429 | 111,993 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Demolition | 0.00 | 0.00 | 0.00 | 2,336 | — |
| Site Preparation | — | — | 38.5 | 0.00 | — |
| Grading | — | 50,000 | 120 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 42.8 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|
| Refrigerated Warehouse-No Rail | 0.00 | 0% |
| Manufacturing | 0.00 | 0% |
| Parking Lot | 7.34 | 100% |
| Other Asphalt Surfaces | 35.5 | 100% |
| User Defined Industrial | 0.00 | 0% |
| Unrefrigerated Warehouse-No Rail | 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 |
|---|---|---|---|---|
| 2026 | 0.00 | 346 | 0.03 | < 0.005 |
| 2027 | 0.00 | 346 | 0.03 | < 0.005 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 95.2 | 8.04 | 3.21 | 25,414 | 2,718 | 229 | 91.7 | 725,310 |
| Manufacturing | 131 | 41.1 | 27.3 | 37,711 | 3,990 | 1,253 | 832 | 1,149,055 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1,400 | 182 | 96.0 | 379,406 | 34,200 | 4,449 | 2,347 | 9,270,854 |
| Unrefrigerated Warehouse-No Rail | 759 | 64.0 | 25.6 | 202,489 | 21,655 | 1,827 | 731 | 5,779,037 |

## 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 | 1,501,286 | 500,429 | 111,993 |

### 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 2,196,818 | 346 | 0.0330 | 0.0040 | 0.00 |
| Manufacturing | 957,338 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 280,084 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,683,543 | 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) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 23,229,294 | 1,410,048 |
| Manufacturing | 23,135,406 | 1,410,048 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 185,083,458 | 11,280,387 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 94.4 | — |
| Manufacturing | 124 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 752 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 7.50 | 7.50 | 7.50 | 25.0 |
| 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 |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 300 | 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 | 29.4 | annual days of extreme heat |
| Extreme Precipitation | 3.75 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 30.4 | 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 | 4 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

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

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |

| | |
|---|---|
| AQ-Ozone | 82.6 |
| AQ-PM | 53.0 |
| AQ-DPM | 45.6 |
| Drinking Water | 31.7 |
| Lead Risk Housing | 29.7 |
| Pesticides | 0.00 |
| Toxic Releases | 38.0 |
| Traffic | 94.1 |
| Effect Indicators | — |
| CleanUp Sites | 0.00 |
| Groundwater | 0.00 |
| Haz Waste Facilities/Generators | 54.6 |
| Impaired Water Bodies | 51.2 |
| Solid Waste | 70.4 |
| Sensitive Population | — |
| Asthma | 63.2 |
| Cardio-vascular | 99.0 |
| Low Birth Weights | 58.8 |
| Socioeconomic Factor Indicators | — |
| Education | 75.0 |
| Housing | 57.9 |
| Linguistic | 50.0 |
| Poverty | 74.3 |
| Unemployment | 79.7 |

## 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 | 26.30565892 |
| Employed | 24.97112794 |
| Median HI | 28.34595149 |
| Education | — |
| Bachelor's or higher | 13.35814192 |
| High school enrollment | 13.19132555 |
| Preschool enrollment | 14.19222379 |
| Transportation | — |
| Auto Access | 39.18901578 |
| Active commuting | 20.32593353 |
| Social | — |
| 2-parent households | 14.24355191 |
| Voting | 17.66970358 |
| Neighborhood | — |
| Alcohol availability | 33.09380213 |
| Park access | 28.48710381 |
| Retail density | 33.95354806 |
| Supermarket access | 45.33555755 |
| Tree canopy | 4.876170923 |
| Housing | — |
| Homeownership | 48.33825228 |
| Housing habitability | 48.68471705 |
| Low-inc homeowner severe housing cost burden | 60.13088669 |
| Low-inc renter severe housing cost burden | 42.02489414 |
| Uncrowded housing | 32.59335301 |

| | |
|---|---|
| Health Outcomes | — |
| Insured adults | 27.4990376 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 56.2 |
| High Blood Pressure | 0.0 |
| Cancer (excluding skin) | 0.0 |
| Asthma | 0.0 |
| Coronary Heart Disease | 0.0 |
| Chronic Obstructive Pulmonary Disease | 0.0 |
| Diagnosed Diabetes | 0.0 |
| Life Expectancy at Birth | 36.2 |
| Cognitively Disabled | 22.1 |
| Physically  Disabled | 33.4 |
| Heart Attack ER Admissions | 6.3 |
| Mental Health Not Good | 0.0 |
| Chronic Kidney Disease | 0.0 |
| Obesity | 0.0 |
| Pedestrian Injuries | 70.8 |
| Physical Health Not Good | 0.0 |
| Stroke | 0.0 |
| Health Risk Behaviors | — |
| Binge Drinking | 0.0 |
| Current Smoker | 0.0 |
| No Leisure Time for Physical Activity | 0.0 |
| Climate Change Exposures | — |
| Wildfire Risk | 21.2 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 10.0 |
| Elderly | 77.3 |
| English Speaking | 28.1 |
| Foreign-born | 49.8 |
| Outdoor Workers | 10.4 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 83.6 |
| Traffic Density | 81.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 73.3 |
| Other Decision Support | — |
| 2016 Voting | 42.4 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 73.0 |
| Healthy Places Index Score for Project Location (b) | 16.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Building Construction, Paving, and Architectural Coating overlap to present a conservative analysis<br>Construction schedule based on Q2 2026 start date and will last 16 months<br>Arch coating extended to 90 days. |
| Construction: Off-Road Equipment | T/L/B replaced with Crawler Tractor to accurately calculate disturbance for Site Preparation and Grading phases. Standard 8 hours work days.<br>Per the City of Lake Elsinore's Good Neighbor Policy, construction equipment will meet or exceed CARB Tier 4 standards. |
| 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 | SCAQMD Rule 1113 |
| Operations: Vehicle Data | Trip characteristics taken from Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively.<br><br>Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater. |
| Land Use | Taken from Site plan |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | Project will not utilize natural gas |

# 15852 - Baker Industrial Off-Site Construction Detailed Report

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# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15852 - Baker Industrial Off-Site Construction |
| Construction Start Date | 9/1/2025 |
| Operational Year | 2027 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 21.8 |
| Location | 33.70575192954131, -117.36466998391134 |
| County | Riverside-South Coast |
| City | Lake Elsinore |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5527 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.29 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 19.0 | 1000sqft | 0.44 | 0.00 | 0.00 | — | — | Pump Station |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Road Construction | 3.51 | Mile | 37.9 | 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. | 20.3 | 20.3 | 23.4 | 40.1 | 0.06 | 0.63 | 2.65 | 3.28 | 0.58 | 1.01 | 1.59 | — | 7,008 | 7,008 | 0.28 | 0.07 | 1.72 | 7,039 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.00 | 0.98 | 23.0 | 39.5 | 0.06 | 0.27 | 1.29 | 1.56 | 0.25 | 0.20 | 0.45 | — | 6,969 | 6,969 | 0.27 | 0.07 | 0.04 | 6,998 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.67 | 0.66 | 9.69 | 15.5 | 0.03 | 0.13 | 0.35 | 0.49 | 0.12 | 0.05 | 0.18 | — | 2,719 | 2,719 | 0.11 | 0.03 | 0.21 | 2,730 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.12 | 0.12 | 1.77 | 2.83 | < 0.005 | 0.02 | 0.06 | 0.09 | 0.02 | 0.01 | 0.03 | — | 450 | 450 | 0.02 | < 0.005 | 0.03 | 452 |

## 2.2. Construction Emissions by Year, Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2025 | 2.41 | 2.08 | 23.4 | 29.6 | 0.06 | 0.63 | 2.65 | 3.28 | 0.58 | 1.01 | 1.59 | — | 6,881 | 6,881 | 0.28 | 0.06 | 1.04 | 6,908 |
| 2026 | 20.3 | 20.3 | 23.0 | 40.1 | 0.06 | 0.27 | 1.29 | 1.56 | 0.25 | 0.20 | 0.45 | — | 7,008 | 7,008 | 0.28 | 0.07 | 1.72 | 7,039 |
| 2027 | 0.40 | 0.39 | 8.28 | 13.7 | 0.01 | 0.12 | 0.46 | 0.57 | 0.11 | 0.11 | 0.22 | — | 2,094 | 2,094 | 0.07 | 0.03 | 1.47 | 2,106 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.30 | 0.30 | 9.83 | 13.5 | 0.02 | 0.17 | 0.00 | 0.17 | 0.16 | 0.00 | 0.16 | — | 2,312 | 2,312 | 0.09 | 0.02 | 0.00 | 2,320 |
| 2026 | 1.00 | 0.98 | 23.0 | 39.5 | 0.06 | 0.27 | 1.29 | 1.56 | 0.25 | 0.20 | 0.45 | — | 6,969 | 6,969 | 0.27 | 0.07 | 0.04 | 6,998 |
| 2027 | 0.81 | 0.80 | 16.9 | 31.9 | 0.05 | 0.14 | 1.08 | 1.22 | 0.14 | 0.17 | 0.30 | — | 6,066 | 6,066 | 0.24 | 0.06 | 0.04 | 6,090 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.08 | 0.08 | 2.44 | 3.34 | 0.01 | 0.04 | 0.01 | 0.06 | 0.04 | 0.01 | 0.05 | — | 581 | 581 | 0.02 | < 0.005 | < 0.005 | 583 |
| 2026 | 0.67 | 0.66 | 9.69 | 15.5 | 0.03 | 0.13 | 0.35 | 0.49 | 0.12 | 0.05 | 0.18 | — | 2,719 | 2,719 | 0.11 | 0.03 | 0.21 | 2,730 |
| 2027 | 0.16 | 0.15 | 3.29 | 6.01 | 0.01 | 0.03 | 0.20 | 0.23 | 0.03 | 0.03 | 0.06 | — | 1,102 | 1,102 | 0.04 | 0.01 | 0.14 | 1,106 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.02 | 0.01 | 0.44 | 0.61 | < 0.005 | 0.01 | < 0.005 | 0.01 | 0.01 | < 0.005 | 0.01 | — | 96.1 | 96.1 | < 0.005 | < 0.005 | < 0.005 | 96.4 |
| 2026 | 0.12 | 0.12 | 1.77 | 2.83 | < 0.005 | 0.02 | 0.06 | 0.09 | 0.02 | 0.01 | 0.03 | — | 450 | 450 | 0.02 | < 0.005 | 0.03 | 452 |
| 2027 | 0.03 | 0.03 | 0.60 | 1.10 | < 0.005 | 0.01 | 0.04 | 0.04 | 0.01 | 0.01 | 0.01 | — | 182 | 182 | 0.01 | < 0.005 | 0.02 | 183 |

## 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. | 0.63 | 0.58 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.63 | 0.58 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.09 | 0.08 | 0.22 | 0.20 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 40.3 | 40.3 | < 0.005 | < 0.005 | 0.00 | 40.4 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.02 | 0.01 | 0.04 | 0.04 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 6.66 | 6.66 | < 0.005 | < 0.005 | 0.00 | 6.69 |

## 2.5. Operations Emissions by Sector, Unmitigated

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

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Area | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Stationary | 0.63 | 0.57 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |
| Total | 0.63 | 0.58 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Area | < 0.005 | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationary | 0.63 | 0.57 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |
| Total | 0.63 | 0.58 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Area | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Stationary | 0.09 | 0.08 | 0.22 | 0.20 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 40.3 | 40.3 | < 0.005 | < 0.005 | 0.00 | 40.4 |
| Total | 0.09 | 0.08 | 0.22 | 0.20 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 40.3 | 40.3 | < 0.005 | < 0.005 | 0.00 | 40.4 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Area | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Stationary | 0.02 | 0.01 | 0.04 | 0.04 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 6.66 | 6.66 | < 0.005 | < 0.005 | 0.00 | 6.69 |
| Total | 0.02 | 0.01 | 0.04 | 0.04 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 6.66 | 6.66 | < 0.005 | < 0.005 | 0.00 | 6.69 |

# 3. Construction Emissions Details

## 3.1. Linear, Grubbing & Land Clearing (2026) - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.07 | 2.52 | 3.43 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 490 | 490 | 0.02 | < 0.005 | — | 492 |
| Dust From Material Movement | — | — | — | — | — | — | 0.14 | 0.14 | — | 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.14 | 0.20 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 28.2 | 28.2 | < 0.005 | < 0.005 | — | 28.3 |
| Dust From Material Movement | — | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 4.67 | 4.67 | < 0.005 | < 0.005 | — | 4.69 |
| Dust From Material Movement | — | — | — | — | — | — | < 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 | 0.05 | 0.04 | 0.04 | 0.72 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.03 | 0.03 | — | 138 | 138 | 0.01 | < 0.005 | 0.47 | 140 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.39 | 7.39 | < 0.005 | < 0.005 | 0.01 | 7.49 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.22 | 1.22 | < 0.005 | < 0.005 | < 0.005 | 1.24 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.3. Linear, Grading & Excavation (2026) - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.84 | 0.84 | 22.9 | 37.5 | 0.06 | 0.27 | — | 0.27 | 0.25 | — | 0.25 | — | 6,495 | 6,495 | 0.26 | 0.05 | — | 6,517 |
| Dust From Material Movement | — | — | — | — | — | — | 0.83 | 0.83 | — | 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.84 | 0.84 | 22.9 | 37.5 | 0.06 | 0.27 | — | 0.27 | 0.25 | — | 0.25 | — | 6,495 | 6,495 | 0.26 | 0.05 | — | 6,517 |
| Dust From Material Movement | — | — | — | — | — | — | 0.83 | 0.83 | — | 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19 | 0.19 | 5.13 | 8.44 | 0.01 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 1,459 | 1,459 | 0.06 | 0.01 | — | 1,464 |
| Dust From Material Movement | — | — | — | — | — | — | 0.19 | 0.19 | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 0.03 | 0.03 | 0.94 | 1.54 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 242 | 242 | 0.01 | < 0.005 | — | 242 |
| Dust From Material Movement | — | — | — | — | — | — | 0.03 | 0.03 | — | < 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 | 0.16 | 0.15 | 0.14 | 2.51 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 483 | 483 | 0.02 | 0.02 | 1.64 | 490 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 30.1 | 30.1 | < 0.005 | < 0.005 | 0.08 | 31.6 |
| 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 | 0.15 | 1.91 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 444 | 444 | 0.01 | 0.02 | 0.04 | 449 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 30.1 | 30.1 | < 0.005 | < 0.005 | < 0.005 | 31.5 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.03 | 0.04 | 0.45 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 101 | 101 | < 0.005 | < 0.005 | 0.16 | 102 |
| Vendor | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 6.76 | 6.76 | < 0.005 | < 0.005 | 0.01 | 7.09 |
| 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 | 0.08 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 16.7 | 16.7 | < 0.005 | < 0.005 | 0.03 | 16.9 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.12 | 1.12 | < 0.005 | < 0.005 | < 0.005 | 1.17 |
| 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. Linear, Drainage, Utilities, & Sub-Grade (2026) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69 | 0.69 | 16.8 | 30.4 | 0.05 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | — | 5,693 | 5,693 | 0.23 | 0.05 | — | 5,712 |
| Dust From Material Movement | — | — | — | — | — | — | 0.69 | 0.69 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| 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 | 0.72 | 1.31 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 245 | 245 | 0.01 | < 0.005 | — | 246 |
| Dust From Material Movement | — | — | — | — | — | — | 0.03 | 0.03 | — | < 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 | 0.01 | 0.01 | 0.13 | 0.24 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 40.6 | 40.6 | < 0.005 | < 0.005 | — | 40.7 |
| Dust From Material Movement | — | — | — | — | — | — | 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 | 0.13 | 1.63 | 0.00 | 0.00 | 0.39 | 0.39 | 0.00 | 0.09 | 0.09 | — | 380 | 380 | 0.01 | 0.01 | 0.04 | 385 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.07 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 16.6 | 16.6 | < 0.005 | < 0.005 | 0.03 | 16.8 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.75 | 2.75 | < 0.005 | < 0.005 | < 0.005 | 2.78 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.7. Linear, Drainage, Utilities, & Sub-Grade (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 | 0.69 | 0.69 | 16.8 | 30.4 | 0.05 | 0.14 | — | 0.14 | 0.14 | — | 0.14 | — | 5,692 | 5,692 | 0.23 | 0.05 | — | 5,711 |
| Dust From Material Movement | — | — | — | — | — | — | 0.69 | 0.69 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| 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 | 0.10 | 0.10 | 2.56 | 4.64 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 869 | 869 | 0.04 | 0.01 | — | 872 |
| Dust From Material Movement | — | — | — | — | — | — | 0.11 | 0.11 | — | 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 | 0.47 | 0.85 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 144 | 144 | 0.01 | < 0.005 | — | 144 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.11 | 0.12 | 1.51 | 0.00 | 0.00 | 0.39 | 0.39 | 0.00 | 0.09 | 0.09 | — | 373 | 373 | 0.01 | 0.01 | 0.03 | 378 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.02 | 0.24 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 57.7 | 57.7 | < 0.005 | < 0.005 | 0.08 | 58.5 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.56 | 9.56 | < 0.005 | < 0.005 | 0.01 | 9.68 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.9. Linear, Paving (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 | 0.25 | 0.25 | 8.16 | 11.3 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 1,619 | 1,619 | 0.07 | 0.01 | — | 1,625 |
| 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 | 0.25 | 0.25 | 8.16 | 11.3 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 1,619 | 1,619 | 0.07 | 0.01 | — | 1,625 |
| 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 | 0.69 | 0.96 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 138 | 138 | 0.01 | < 0.005 | — | 138 |
| 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 | 0.13 | 0.18 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 22.8 | 22.8 | < 0.005 | < 0.005 | — | 22.9 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.16 | 0.14 | 0.12 | 2.32 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 474 | 474 | 0.01 | 0.02 | 1.47 | 480 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.14 | 1.76 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 436 | 436 | 0.01 | 0.02 | 0.04 | 441 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.16 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 37.5 | 37.5 | < 0.005 | < 0.005 | 0.05 | 38.0 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.20 | 6.20 | < 0.005 | < 0.005 | 0.01 | 6.28 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.11. Grading (2025) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.30 | 1.99 | 23.3 | 28.1 | 0.06 | 0.63 | — | 0.63 | 0.58 | — | 0.58 | — | 6,599 | 6,599 | 0.27 | 0.05 | — | 6,622 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 2.39 | 2.39 | — | 0.95 | 0.95 | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.13 | 0.15 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 36.2 | 36.2 | < 0.005 | < 0.005 | — | 36.3 |
| Dust From Material Movement | — | — | — | — | — | — | 0.01 | 0.01 | — | 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 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 5.99 | 5.99 | < 0.005 | < 0.005 | — | 6.01 |
| Dust From Material Movement | — | — | — | — | — | — | < 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 | 0.11 | 0.09 | 0.09 | 1.54 | 0.00 | 0.00 | 0.26 | 0.26 | 0.00 | 0.06 | 0.06 | — | 282 | 282 | 0.01 | 0.01 | 1.04 | 286 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.44 | 1.44 | < 0.005 | < 0.005 | < 0.005 | 1.46 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.24 | 0.24 | < 0.005 | < 0.005 | < 0.005 | 0.24 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.13. Building Construction (2025) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.30 | 0.30 | 9.83 | 13.5 | 0.02 | 0.17 | — | 0.17 | 0.16 | — | 0.16 | — | 2,312 | 2,312 | 0.09 | 0.02 | — | 2,320 |
| 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 | 0.30 | 0.30 | 9.83 | 13.5 | 0.02 | 0.17 | — | 0.17 | 0.16 | — | 0.16 | — | 2,312 | 2,312 | 0.09 | 0.02 | — | 2,320 |
| 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 | 0.07 | 0.07 | 2.31 | 3.18 | 0.01 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 543 | 543 | 0.02 | < 0.005 | — | 545 |
| 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 | 0.42 | 0.58 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 89.9 | 89.9 | < 0.005 | < 0.005 | — | 90.2 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2026) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.30 | 0.30 | 9.83 | 13.5 | 0.02 | 0.17 | — | 0.17 | 0.16 | — | 0.16 | — | 2,312 | 2,312 | 0.09 | 0.02 | — | 2,320 |
| 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 | 0.30 | 0.30 | 9.83 | 13.5 | 0.02 | 0.17 | — | 0.17 | 0.16 | — | 0.16 | — | 2,312 | 2,312 | 0.09 | 0.02 | — | 2,320 |
| 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 | 0.11 | 0.11 | 3.54 | 4.88 | 0.01 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 832 | 832 | 0.03 | 0.01 | — | 835 |
| 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 | 0.65 | 0.89 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 138 | 138 | 0.01 | < 0.005 | — | 138 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

## 3.17. Paving (2026) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.18 | 0.18 | 5.88 | 8.32 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | — | 1,244 | 1,244 | 0.05 | 0.01 | — | 1,248 |
| Paving | 20.1 | 20.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.08 | 0.11 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 17.0 | 17.0 | < 0.005 | < 0.005 | — | 17.1 |
| Paving | 0.27 | 0.27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 2.82 | 2.82 | < 0.005 | < 0.005 | — | 2.83 |
| Paving | 0.05 | 0.05 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.06 | 1.08 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 207 | 207 | 0.01 | 0.01 | 0.70 | 210 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.64 | 2.64 | < 0.005 | < 0.005 | < 0.005 | 2.67 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.44 | 0.44 | < 0.005 | < 0.005 | < 0.005 | 0.44 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Architectural Coating (2026) - Unmitigated

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

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

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.03 | 0.03 | 1.43 | 1.28 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 1.06 | 1.06 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 2.44 | 2.44 | < 0.005 | < 0.005 | — | 2.45 |
| Architectural Coatings | 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 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 0.40 | 0.40 | < 0.005 | < 0.005 | — | 0.41 |
| Architectural Coatings | < 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other 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 |
| 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 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other 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 |
| 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 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other 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 |
| 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 | 0.00 | 0.00 | 0.00 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other 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 |
| 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other 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 |
| 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other 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 |
| 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 | < 0.005 | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | < 0.005 | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.00 | 0.00 | 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 | < 0.005 | < 0.005 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | < 0.005 | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | < 0.005 | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | < 0.005 | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer Product | < 0.005 | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | < 0.005 | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.00 | 0.00 | 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 | < 0.005 | < 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.4. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 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 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 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 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

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

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

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

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

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

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

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

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.63 | 0.57 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |
| Total | 0.63 | 0.57 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.63 | 0.57 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |
| Total | 0.63 | 0.57 | 1.61 | 1.46 | < 0.005 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.08 | 0.00 | 294 | 294 | 0.01 | < 0.005 | 0.00 | 295 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.02 | 0.01 | 0.04 | 0.04 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 6.66 | 6.66 | < 0.005 | < 0.005 | 0.00 | 6.69 |
| Total | 0.02 | 0.01 | 0.04 | 0.04 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 6.66 | 6.66 | < 0.005 | < 0.005 | 0.00 | 6.69 |

## 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)

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

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

### 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|---|---|---|---|---|---|---|
| Linear, Grubbing & Land Clearing | Linear, Grubbing & Land Clearing | 7/20/2026 | 8/17/2026 | 5.00 | 21.0 | 21 |
| Linear, Grading & Excavation | Linear, Grading & Excavation | 8/18/2026 | 12/9/2026 | 5.00 | 82.0 | 82 |
| Linear, Drainage, Utilities, & Sub-Grade | Linear, Drainage, Utilities, & Sub-Grade | 12/10/2026 | 3/19/2027 | 5.00 | 72.0 | 72 |
| Linear, Paving | Linear, Paving | 3/22/2027 | 5/3/2027 | 5.00 | 31.0 | 31 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Grading | Grading | 9/1/2025 | 9/2/2025 | 5.00 | 2.00 | — |
| Building Construction | Building Construction | 9/3/2025 | 7/3/2026 | 5.00 | 218 | — |
| Paving | Paving | 7/6/2026 | 7/10/2026 | 5.00 | 5.00 | — |
| Architectural Coating | Architectural Coating | 7/13/2026 | 7/17/2026 | 5.00 | 5.00 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Linear, Grubbing & Land Clearing | Signal Boards | Electric | Average | 2.00 | 8.00 | 6.00 | 0.82 |
| Linear, Grubbing & Land Clearing | Crawler Tractors | Diesel | Tier 4 Interim | 1.00 | 8.00 | 87.0 | 0.43 |
| Linear, Grubbing & Land Clearing | Excavators | Diesel | Tier 4 Interim | 1.00 | 8.00 | 36.0 | 0.38 |
| Linear, Grading & Excavation | Excavators | Diesel | Tier 4 Interim | 3.00 | 8.00 | 36.0 | 0.38 |
| Linear, Grading & Excavation | Crawler Tractors | Diesel | Tier 4 Interim | 1.00 | 8.00 | 87.0 | 0.43 |
| Linear, Grading & Excavation | Graders | Diesel | Tier 4 Interim | 1.00 | 8.00 | 148 | 0.41 |
| Linear, Grading & Excavation | Rollers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 36.0 | 0.38 |
| Linear, Grading & Excavation | Scrapers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 423 | 0.48 |
| Linear, Grading & Excavation | Rubber Tired Loaders | Diesel | Tier 4 Interim | 1.00 | 8.00 | 150 | 0.36 |
| Linear, Grading & Excavation | Signal Boards | Electric | Average | 2.00 | 8.00 | 6.00 | 0.82 |
| Linear, Grading & Excavation | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 2.00 | 8.00 | 84.0 | 0.37 |
| Linear, Drainage, Utilities, & Sub-Grade | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 2.00 | 8.00 | 84.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Linear, Drainage, Utilities, & Sub-Grade | Signal Boards | Electric | Average | 2.00 | 8.00 | 6.00 | 0.82 |
| Linear, Drainage, Utilities, & Sub-Grade | Scrapers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 423 | 0.48 |
| Linear, Drainage, Utilities, & Sub-Grade | Rough Terrain Forklifts | Diesel | Tier 4 Interim | 1.00 | 8.00 | 96.0 | 0.40 |
| Linear, Drainage, Utilities, & Sub-Grade | Graders | Diesel | Tier 4 Interim | 1.00 | 8.00 | 148 | 0.41 |
| Linear, Drainage, Utilities, & Sub-Grade | Plate Compactors | Diesel | Tier 4 Interim | 1.00 | 8.00 | 8.00 | 0.43 |
| Linear, Drainage, Utilities, & Sub-Grade | Pumps | Diesel | Tier 4 Interim | 1.00 | 8.00 | 11.0 | 0.74 |
| Linear, Drainage, Utilities, & Sub-Grade | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.00 | 37.0 | 0.48 |
| Linear, Drainage, Utilities, & Sub-Grade | Generator Sets | Diesel | Tier 4 Interim | 1.00 | 8.00 | 14.0 | 0.74 |
| Linear, Paving | Rollers | Diesel | Tier 4 Interim | 3.00 | 8.00 | 36.0 | 0.38 |
| Linear, Paving | Paving Equipment | Diesel | Tier 4 Interim | 1.00 | 8.00 | 89.0 | 0.36 |
| Linear, Paving | Pavers | Diesel | Tier 4 Interim | 1.00 | 8.00 | 81.0 | 0.42 |
| Linear, Paving | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 2.00 | 8.00 | 84.0 | 0.37 |
| Linear, Paving | Signal Boards | Electric | Average | 7.00 | 8.00 | 6.00 | 0.82 |
| Grading | Graders | Diesel | Tier 4 Interim | 1.00 | 8.00 | 148 | 0.41 |
| Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 1.00 | 8.00 | 367 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 2.00 | 8.00 | 84.0 | 0.37 |
| Grading | Excavators | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Grading | Scrapers | Diesel | Average | 2.00 | 8.00 | 423 | 0.48 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 2.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Generator Sets | Diesel | Tier 4 Interim | 1.00 | 8.00 | 14.0 | 0.74 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 1.00 | 8.00 | 84.0 | 0.37 |
| Building Construction | Welders | Diesel | Tier 4 Interim | 3.00 | 8.00 | 46.0 | 0.45 |
| Paving | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 1.00 | 8.00 | 84.0 | 0.37 |
| Paving | Pavers | Diesel | Tier 4 Interim | 1.00 | 8.00 | 81.0 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 1.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 36.0 | 0.38 |
| Paving | Cement and Mortar Mixers | Diesel | Tier 4 Interim | 1.00 | 8.00 | 10.0 | 0.56 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.00 | 37.0 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Linear, Grubbing & Land Clearing | — | — | — | — |
| Linear, Grubbing & Land Clearing | Worker | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Linear, Grubbing & Land Clearing | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Linear, Grubbing & Land Clearing | Hauling | 0.00 | 20.0 | HHDT |
| Linear, Grubbing & Land Clearing | Onsite truck | — | — | HHDT |
| Linear, Grading & Excavation | — | — | — | — |
| Linear, Grading & Excavation | Worker | 35.0 | 18.5 | LDA,LDT1,LDT2 |
| Linear, Grading & Excavation | Vendor | 1.00 | 10.2 | HHDT,MHDT |
| Linear, Grading & Excavation | Hauling | 0.00 | 20.0 | HHDT |
| Linear, Grading & Excavation | Onsite truck | — | — | HHDT |
| Linear, Drainage, Utilities, & Sub-Grade | — | — | — | — |
| Linear, Drainage, Utilities, & Sub-Grade | Worker | 30.0 | 18.5 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| Linear, Drainage, Utilities, & Sub-Grade | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Linear, Drainage, Utilities, & Sub-Grade | Hauling | 0.00 | 20.0 | HHDT |
| Linear, Drainage, Utilities, & Sub-Grade | Onsite truck | — | — | HHDT |
| Linear, Paving | — | — | — | — |
| Linear, Paving | Worker | 35.0 | 18.5 | LDA,LDT1,LDT2 |
| Linear, Paving | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Linear, Paving | Hauling | 0.00 | 20.0 | HHDT |
| Linear, Paving | Onsite truck | — | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 0.00 | 10.2 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 20.0 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Grading | Hauling | 0.00 | 20.0 | HHDT |
| Grading | Onsite truck | — | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 0.00 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 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 | 0.00 | 0.00 | 1,140 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Linear, Grubbing & Land Clearing | — | — | 37.9 | 0.00 | — |
| Linear, Grading & Excavation | — | — | 37.9 | 0.00 | — |
| Linear, Drainage, Utilities, & Sub-Grade | — | — | 37.9 | 0.00 | — |
| Grading | — | — | 6.00 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 38.3 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|
| Other Asphalt Surfaces | 0.44 | 100% |
| Road Construction | 37.9 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2025 | 0.00 | 349 | 0.03 | < 0.005 |
| 2026 | 176 | 346 | 0.03 | < 0.005 |
| 2027 | 264 | 346 | 0.03 | < 0.005 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 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 | 0.00 | 0.00 | 1,140 |

### 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) |
|---|---|---|---|---|---|
| Other Asphalt Surfaces | 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) |
|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Other Asphalt Surfaces | 0.00 | — |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

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

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

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

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|---|---|---|---|---|---|---|
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 350 | 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 | 29.4 | annual days of extreme heat |
| Extreme Precipitation | 3.75 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 30.4 | 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 | 4 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

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

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

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

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 82.6 |
| AQ-PM | 53.0 |
| AQ-DPM | 45.6 |
| Drinking Water | 31.7 |
| Lead Risk Housing | 29.7 |
| Pesticides | 0.00 |
| Toxic Releases | 38.0 |
| Traffic | 94.1 |
| Effect Indicators | — |
| CleanUp Sites | 0.00 |
| Groundwater | 0.00 |
| Haz Waste Facilities/Generators | 54.6 |
| Impaired Water Bodies | 51.2 |
| Solid Waste | 70.4 |
| Sensitive Population | — |
| Asthma | 63.2 |
| Cardio-vascular | 99.0 |
| Low Birth Weights | 58.8 |

| | |
|---|---|
| Socioeconomic Factor Indicators | — |
| Education | 75.0 |
| Housing | 57.9 |
| Linguistic | 50.0 |
| Poverty | 74.3 |
| Unemployment | 79.7 |

## 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 | 26.30565892 |
| Employed | 24.97112794 |
| Median HI | 28.34595149 |
| Education | — |
| Bachelor's or higher | 13.35814192 |
| High school enrollment | 13.19132555 |
| Preschool enrollment | 14.19222379 |
| Transportation | — |
| Auto Access | 39.18901578 |
| Active commuting | 20.32593353 |
| Social | — |
| 2-parent households | 14.24355191 |
| Voting | 17.66970358 |
| Neighborhood | — |
| Alcohol availability | 33.09380213 |
| Park access | 28.48710381 |
| Retail density | 33.95354806 |

| | |
|---|---|
| Supermarket access | 45.33555755 |
| Tree canopy | 4.876170923 |
| Housing | — |
| Homeownership | 48.33825228 |
| Housing habitability | 48.68471705 |
| Low-inc homeowner severe housing cost burden | 60.13088669 |
| Low-inc renter severe housing cost burden | 42.02489414 |
| Uncrowded housing | 32.59335301 |
| Health Outcomes | — |
| Insured adults | 27.4990376 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 56.2 |
| High Blood Pressure | 0.0 |
| Cancer (excluding skin) | 0.0 |
| Asthma | 0.0 |
| Coronary Heart Disease | 0.0 |
| Chronic Obstructive Pulmonary Disease | 0.0 |
| Diagnosed Diabetes | 0.0 |
| Life Expectancy at Birth | 36.2 |
| Cognitively Disabled | 22.1 |
| Physically  Disabled | 33.4 |
| Heart Attack ER Admissions | 6.3 |
| Mental Health Not Good | 0.0 |
| Chronic Kidney Disease | 0.0 |
| Obesity | 0.0 |
| Pedestrian Injuries | 70.8 |
| Physical Health Not Good | 0.0 |
| Stroke | 0.0 |

| | |
|---|---|
| Health Risk Behaviors | — |
| Binge Drinking | 0.0 |
| Current Smoker | 0.0 |
| No Leisure Time for Physical Activity | 0.0 |
| Climate Change Exposures | — |
| Wildfire Risk | 21.2 |
| SLR Inundation Area | 0.0 |
| Children | 10.0 |
| Elderly | 77.3 |
| English Speaking | 28.1 |
| Foreign-born | 49.8 |
| Outdoor Workers | 10.4 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 83.6 |
| Traffic Density | 81.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 73.3 |
| Other Decision Support | — |
| 2016 Voting | 42.4 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 73.0 |
| Healthy Places Index Score for Project Location (b) | 16.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Q3 2025 start and Q2 2027 End |
| Construction: Off-Road Equipment | standard 8-hour work day<br>Per the City of Lake Elsinore's Good Neighbor Policy, construction equipment will meet or exceed CARB Tier 4 standards. |
| Construction: Architectural Coatings | SCAQMD Rule 1113 |

# 15852 - Baker Industrial (Operational LSTs) Detailed Report

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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 | 15852 - Baker Industrial (Operational LSTs) |
| Operational Year | 2027 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 21.8 |
| Location | 33.703271, -117.365751 |
| County | Riverside-South Coast |
| City | Lake Elsinore |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5527 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.25 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 100 | 1000sqft | 2.31 | 100,451 | 88,930 | — | — | Trucks |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Manufacturing | 100 | 1000sqft | 2.30 | 100,045 | 88,930 | — | — | Trucks |
| Parking Lot | 805 | Space | 7.34 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 35.5 | Acre | 35.5 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 1,000 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | PC |
| Unrefrigerated Warehouse-No Rail | 800 | 1000sqft | 18.4 | 800,361 | 711,440 | — | — | Trucks |

## 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. | 36.6 | 35.5 | 13.7 | 63.1 | 0.04 | 0.26 | 1.19 | 1.45 | 0.24 | 0.31 | 0.55 | 967 | 12,339 | 13,306 | 99.0 | 1.67 | 119 | 16,399 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 28.6 | 28.1 | 14.0 | 20.6 | 0.04 | 0.19 | 1.19 | 1.38 | 0.18 | 0.31 | 0.49 | 967 | 12,135 | 13,101 | 99.1 | 1.68 | 112 | 16,191 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 31.8 | 31.1 | 8.75 | 43.6 | 0.03 | 0.10 | 0.87 | 0.97 | 0.09 | 0.23 | 0.31 | 967 | 10,959 | 11,925 | 98.9 | 1.55 | 114 | 14,974 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmit. | 5.80 | 5.67 | 1.60 | 7.95 | < 0.005 | 0.02 | 0.16 | 0.18 | 0.02 | 0.04 | 0.06 | 160 | 1,814 | 1,974 | 16.4 | 0.26 | 18.9 | 2,479 |

## 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 | 4.82 | 4.43 | 10.6 | 17.1 | 0.03 | 0.04 | 1.19 | 1.23 | 0.04 | 0.31 | 0.35 | — | 3,340 | 3,340 | 0.45 | 0.49 | 6.87 | 3,505 |
| Area | 30.7 | 30.1 | 0.37 | 43.5 | < 0.005 | 0.08 | — | 0.08 | 0.06 | — | 0.06 | — | 179 | 179 | 0.01 | < 0.005 | — | 180 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 36.6 | 35.5 | 13.7 | 63.1 | 0.04 | 0.26 | 1.19 | 1.45 | 0.24 | 0.31 | 0.55 | 967 | 12,339 | 13,306 | 99.0 | 1.67 | 119 | 16,399 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 4.56 | 4.16 | 11.2 | 18.0 | 0.03 | 0.04 | 1.19 | 1.23 | 0.04 | 0.31 | 0.35 | — | 3,315 | 3,315 | 0.47 | 0.50 | 0.18 | 3,476 |
| Area | 23.0 | 23.0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 28.6 | 28.1 | 14.0 | 20.6 | 0.04 | 0.19 | 1.19 | 1.38 | 0.18 | 0.31 | 0.49 | 967 | 12,135 | 13,101 | 99.1 | 1.68 | 112 | 16,191 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 3.37 | 3.07 | 8.13 | 13.4 | 0.02 | 0.03 | 0.87 | 0.90 | 0.03 | 0.23 | 0.25 | — | 2,451 | 2,451 | 0.35 | 0.37 | 2.19 | 2,572 |
| Area | 28.3 | 27.9 | 0.25 | 29.8 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 123 | 123 | 0.01 | < 0.005 | — | 123 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Stationary | 0.15 | 0.13 | 0.38 | 0.34 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 69.0 | 69.0 | < 0.005 | < 0.005 | 0.00 | 69.2 |
| Total | 31.8 | 31.1 | 8.75 | 43.6 | 0.03 | 0.10 | 0.87 | 0.97 | 0.09 | 0.23 | 0.31 | 967 | 10,959 | 11,925 | 98.9 | 1.55 | 114 | 14,974 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 0.61 | 0.56 | 1.48 | 2.45 | < 0.005 | 0.01 | 0.16 | 0.16 | 0.01 | 0.04 | 0.05 | — | 406 | 406 | 0.06 | 0.06 | 0.36 | 426 |
| Area | 5.16 | 5.09 | 0.05 | 5.44 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 20.3 | 20.3 | < 0.005 | < 0.005 | — | 20.4 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 1,118 | 1,118 | 0.11 | 0.01 | — | 1,124 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 73.4 | 259 | 333 | 7.55 | 0.18 | — | 576 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 86.6 | 0.00 | 86.6 | 8.66 | 0.00 | — | 303 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 18.5 | 18.5 |
| Stationary | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 5.80 | 5.67 | 1.60 | 7.95 | < 0.005 | 0.02 | 0.16 | 0.18 | 0.02 | 0.04 | 0.06 | 160 | 1,814 | 1,974 | 16.4 | 0.26 | 18.9 | 2,479 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.09 | 0.06 | 0.93 | 0.70 | < 0.005 | < 0.005 | 0.05 | 0.06 | < 0.005 | 0.01 | 0.02 | — | 236 | 236 | 0.02 | 0.04 | 0.48 | 248 |
| Manufacturing | 0.12 | 0.08 | 1.48 | 1.01 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 370 | 370 | 0.04 | 0.06 | 0.61 | 389 |
| 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 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 | 3.89 | 3.79 | 0.80 | 9.77 | 0.01 | 0.01 | 0.63 | 0.64 | 0.01 | 0.16 | 0.17 | — | 853 | 853 | 0.19 | 0.10 | 1.91 | 889 |
| Unrefrigerated Warehouse-No Rail | 0.72 | 0.50 | 7.41 | 5.59 | 0.02 | 0.02 | 0.43 | 0.46 | 0.02 | 0.12 | 0.14 | — | 1,881 | 1,881 | 0.20 | 0.30 | 3.86 | 1,978 |
| Total | 4.82 | 4.43 | 10.6 | 17.1 | 0.03 | 0.04 | 1.19 | 1.23 | 0.04 | 0.31 | 0.35 | — | 3,340 | 3,340 | 0.45 | 0.49 | 6.87 | 3,505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.08 | 0.06 | 0.98 | 0.72 | < 0.005 | < 0.005 | 0.05 | 0.06 | < 0.005 | 0.01 | 0.02 | — | 238 | 238 | 0.02 | 0.04 | 0.01 | 250 |
| Manufacturing | 0.11 | 0.07 | 1.56 | 1.04 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 373 | 373 | 0.04 | 0.06 | 0.02 | 391 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 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 | 3.69 | 3.58 | 0.85 | 10.5 | 0.01 | 0.01 | 0.63 | 0.64 | 0.01 | 0.16 | 0.17 | — | 806 | 806 | 0.22 | 0.11 | 0.05 | 843 |
| Unrefrigerated Warehouse-No Rail | 0.67 | 0.45 | 7.81 | 5.78 | 0.02 | 0.02 | 0.43 | 0.46 | 0.02 | 0.12 | 0.14 | — | 1,897 | 1,897 | 0.19 | 0.30 | 0.10 | 1,991 |
| Total | 4.56 | 4.16 | 11.2 | 18.0 | 0.03 | 0.04 | 1.19 | 1.23 | 0.04 | 0.31 | 0.35 | — | 3,315 | 3,315 | 0.47 | 0.50 | 0.18 | 3,476 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.01 | 0.01 | 0.13 | 0.10 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 28.7 | 28.7 | < 0.005 | < 0.005 | 0.03 | 30.1 |
| Manufacturing | 0.02 | 0.01 | 0.22 | 0.15 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 48.5 | 48.5 | 0.01 | 0.01 | 0.03 | 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 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 | 0.49 | 0.48 | 0.12 | 1.45 | < 0.005 | < 0.005 | 0.08 | 0.09 | < 0.005 | 0.02 | 0.02 | — | 100.0 | 100.0 | 0.03 | 0.01 | 0.10 | 105 |
| Unrefrigerated Warehouse-No Rail | 0.09 | 0.06 | 1.02 | 0.76 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | — | 229 | 229 | 0.02 | 0.04 | 0.20 | 240 |
| Total | 0.61 | 0.56 | 1.48 | 2.45 | < 0.005 | 0.01 | 0.16 | 0.16 | 0.01 | 0.04 | 0.05 | — | 406 | 406 | 0.06 | 0.06 | 0.36 | 426 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,084 | 2,084 | 0.20 | 0.02 | — | 2,096 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | — | 908 | 908 | 0.09 | 0.01 | — | 913 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 266 | 266 | 0.03 | < 0.005 | — | 267 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 3,494 | 3,494 | 0.33 | 0.04 | — | 3,514 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehou Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,084 | 2,084 | 0.20 | 0.02 | — | 2,096 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | — | 908 | 908 | 0.09 | 0.01 | — | 913 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 266 | 266 | 0.03 | < 0.005 | — | 267 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 3,494 | 3,494 | 0.33 | 0.04 | — | 3,514 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 6,751 | 6,751 | 0.64 | 0.08 | — | 6,790 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 345 | 345 | 0.03 | < 0.005 | — | 347 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | — | 150 | 150 | 0.01 | < 0.005 | — | 151 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 44.0 | 44.0 | < 0.005 | < 0.005 | — | 44.2 |
| Other 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 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrige Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 578 | 578 | 0.06 | 0.01 | — | 582 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,118 | 1,118 | 0.11 | 0.01 | — | 1,124 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated 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 |
| 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 |
| 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 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 |
| 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 |
| 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated 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 |
| 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 |
| 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 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 |
| 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 |
| 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated 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 |
| 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 |
| 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 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 |
| 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 |
| 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 | 21.6 | 21.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.41 | 1.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 7.75 | 7.15 | 0.37 | 43.5 | < 0.005 | 0.08 | — | 0.08 | 0.06 | — | 0.06 | — | 179 | 179 | 0.01 | < 0.005 | — | 180 |
| Total | 30.7 | 30.1 | 0.37 | 43.5 | < 0.005 | 0.08 | — | 0.08 | 0.06 | — | 0.06 | — | 179 | 179 | 0.01 | < 0.005 | — | 180 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consum Products | 21.6 | 21.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.41 | 1.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 23.0 | 23.0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 3.94 | 3.94 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.26 | 0.26 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.97 | 0.89 | 0.05 | 5.44 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 20.3 | 20.3 | < 0.005 | < 0.005 | — | 20.4 |
| Total | 5.16 | 5.09 | 0.05 | 5.44 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 20.3 | 20.3 | < 0.005 | < 0.005 | — | 20.4 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 44.5 | 157 | 202 | 4.58 | 0.11 | — | 349 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 156 | 201 | 4.56 | 0.11 | — | 348 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 355 | 1,252 | 1,606 | 36.5 | 0.88 | — | 2,780 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 44.5 | 157 | 202 | 4.58 | 0.11 | — | 349 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 156 | 201 | 4.56 | 0.11 | — | 348 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehou Rail | — | — | — | — | — | — | — | — | — | — | — | 355 | 1,252 | 1,606 | 36.5 | 0.88 | — | 2,780 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 1,565 | 2,009 | 45.6 | 1.10 | — | 3,477 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 7.37 | 26.0 | 33.4 | 0.76 | 0.02 | — | 57.8 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 7.34 | 25.9 | 33.2 | 0.76 | 0.02 | — | 57.5 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 58.7 | 207 | 266 | 6.04 | 0.15 | — | 460 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 73.4 | 259 | 333 | 7.55 | 0.18 | — | 576 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 50.9 | 0.00 | 50.9 | 5.09 | 0.00 | — | 178 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 66.9 | 0.00 | 66.9 | 6.68 | 0.00 | — | 234 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 405 | 0.00 | 405 | 40.5 | 0.00 | — | 1,419 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 50.9 | 0.00 | 50.9 | 5.09 | 0.00 | — | 178 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 66.9 | 0.00 | 66.9 | 6.68 | 0.00 | — | 234 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 405 | 0.00 | 405 | 40.5 | 0.00 | — | 1,419 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 523 | 0.00 | 523 | 52.3 | 0.00 | — | 1,831 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 8.43 | 0.00 | 8.43 | 0.84 | 0.00 | — | 29.5 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | 11.1 | 0.00 | 11.1 | 1.11 | 0.00 | — | 38.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other 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 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 67.1 | 0.00 | 67.1 | 6.71 | 0.00 | — | 235 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 86.6 | 0.00 | 86.6 | 8.66 | 0.00 | — | 303 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 102 | 102 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 9.35 | 9.35 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 102 | 102 |
| Manufacturing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 9.35 | 9.35 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 112 | 112 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 17.0 | 17.0 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufact | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.55 | 1.55 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 18.5 | 18.5 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency Generator | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Emergency Generator | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 95.2 | 8.04 | 3.21 | 25,414 | 61.9 | 5.22 | 2.09 | 16,519 |
| Manufacturing | 131 | 41.1 | 27.3 | 37,711 | 85.1 | 26.7 | 17.8 | 24,512 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1,400 | 182 | 96.0 | 379,406 | 910 | 118 | 62.4 | 246,614 |
| Unrefrigerated Warehouse-No Rail | 759 | 64.0 | 25.6 | 202,489 | 493 | 41.6 | 16.6 | 131,618 |

## 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 | 1,501,286 | 500,429 | 111,993 |

### 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 2,196,818 | 346 | 0.0330 | 0.0040 | 0.00 |
| Manufacturing | 957,338 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 280,084 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,683,543 | 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) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 23,229,294 | 1,410,048 |
| Manufacturing | 23,135,406 | 1,410,048 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 185,083,458 | 11,280,387 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 94.4 | — |
| Manufacturing | 124 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 752 | — |

## 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 |
|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 7.50 | 7.50 | 7.50 | 25.0 |
| 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 |
|---|---|---|---|---|---|---|
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 300 | 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 | 29.4 | annual days of extreme heat |
| Extreme Precipitation | 3.75 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 30.4 | 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 | 4 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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

### 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

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

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 82.6 |
| AQ-PM | 53.0 |
| AQ-DPM | 45.6 |
| Drinking Water | 31.7 |
| Lead Risk Housing | 29.7 |
| Pesticides | 0.00 |
| Toxic Releases | 38.0 |
| Traffic | 94.1 |
| Effect Indicators | — |
| CleanUp Sites | 0.00 |
| Groundwater | 0.00 |
| Haz Waste Facilities/Generators | 54.6 |
| Impaired Water Bodies | 51.2 |

| | |
|---|---|
| Solid Waste | 70.4 |
| Sensitive Population | — |
| Asthma | 63.2 |
| Cardio-vascular | 99.0 |
| Low Birth Weights | 58.8 |
| Socioeconomic Factor Indicators | — |
| Education | 75.0 |
| Housing | 57.9 |
| Linguistic | 50.0 |
| Poverty | 74.3 |
| Unemployment | 79.7 |

## 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 | 26.30565892 |
| Employed | 24.97112794 |
| Median HI | 28.34595149 |
| Education | — |
| Bachelor's or higher | 13.35814192 |
| High school enrollment | 13.19132555 |
| Preschool enrollment | 14.19222379 |
| Transportation | — |
| Auto Access | 39.18901578 |
| Active commuting | 20.32593353 |
| Social | — |

| | |
|---|---|
| 2-parent households | 14.24355191 |
| Voting | 17.66970358 |
| Neighborhood | — |
| Alcohol availability | 33.09380213 |
| Park access | 28.48710381 |
| Retail density | 33.95354806 |
| Supermarket access | 45.33555755 |
| Tree canopy | 4.876170923 |
| Housing | — |
| Homeownership | 48.33825228 |
| Housing habitability | 48.68471705 |
| Low-inc homeowner severe housing cost burden | 60.13088669 |
| Low-inc renter severe housing cost burden | 42.02489414 |
| Uncrowded housing | 32.59335301 |
| Health Outcomes | — |
| Insured adults | 27.4990376 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 56.2 |
| High Blood Pressure | 0.0 |
| Cancer (excluding skin) | 0.0 |
| Asthma | 0.0 |
| Coronary Heart Disease | 0.0 |
| Chronic Obstructive Pulmonary Disease | 0.0 |
| Diagnosed Diabetes | 0.0 |
| Life Expectancy at Birth | 36.2 |
| Cognitively Disabled | 22.1 |
| Physically  Disabled | 33.4 |

| | |
|---|---|
| Heart Attack ER Admissions | 6.3 |
| Mental Health Not Good | 0.0 |
| Chronic Kidney Disease | 0.0 |
| Obesity | 0.0 |
| Pedestrian Injuries | 70.8 |
| Physical Health Not Good | 0.0 |
| Stroke | 0.0 |
| Health Risk Behaviors | — |
| Binge Drinking | 0.0 |
| Current Smoker | 0.0 |
| No Leisure Time for Physical Activity | 0.0 |
| Climate Change Exposures | — |
| Wildfire Risk | 21.2 |
| SLR Inundation Area | 0.0 |
| Children | 10.0 |
| Elderly | 77.3 |
| English Speaking | 28.1 |
| Foreign-born | 49.8 |
| Outdoor Workers | 10.4 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 83.6 |
| Traffic Density | 81.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 73.3 |
| Other Decision Support | — |
| 2016 Voting | 42.4 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 73.0 |
| Healthy Places Index Score for Project Location (b) | 16.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Building Construction, Paving, and Architectural Coating overlap to present a conservative analysis<br>Construction schedule based on Q2 2026 start date and will last 16 months<br>Arch coating extended to 90 days. |
| Construction: Off-Road Equipment | T/L/B replaced with Crawler Tractor to accurately calculate disturbance for Site Preparation and Grading phases. Standard 8 hours work days |
| 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 | SCAQMD Rule 1113 |
| Operations: Vehicle Data | Trip characteristics taken from Traffic Analysis |

| | |
|---|---|
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively.<br><br>Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater. |
| Land Use | Taken from Site plan |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | Project will not utilize natural gas |

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# APPENDIX 3.2:

# AERMOD LOCALIZED EMISSIONS MODEL OUTPUTS

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2025
** File: C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\Construction LSTs
CO -05\Construction LSTs CO -05.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\15852 Baker
   MODELOPT CONC FLAT ELEV
   AVERTIME 1 8
   URBANOPT 2189641 County_of_Riverside
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "Construction LSTs CO -05.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     466054.865  3729318.431      390.160
   LOCATION VOL2         VOLUME     466115.133  3729178.529      390.300
   LOCATION VOL3         VOLUME     466139.885  3729409.370      388.320
   LOCATION VOL4         VOLUME     466279.789  3729398.609      384.750
   LOCATION VOL5         VOLUME     466194.233  3729270.005      387.290
   LOCATION VOL6         VOLUME     466255.037  3729130.101      394.170
   LOCATION VOL7         VOLUME     466333.599  3729270.005      385.000
   LOCATION VOL8         VOLUME     466394.941  3729130.101      390.320
   LOCATION VOL9         VOLUME     466312.075  3728990.197      407.410
   LOCATION VOL10        VOLUME     466535.383  3729128.486      389.000
   LOCATION VOL11        VOLUME     466451.979  3728990.197      399.070
   LOCATION VOL12        VOLUME     466591.345  3728989.658      389.950
```

```
   LOCATION VOL13        VOLUME     466396.017  3729198.976      386.900
   LOCATION VOL14        VOLUME     466730.172  3728916.478      389.760
   LOCATION VOL15        VOLUME     466728.020  3728656.041      395.000
   LOCATION VOL16        VOLUME     466809.810  3728687.251      391.970
   LOCATION VOL17        VOLUME     466457.898  3728851.907      399.150
   LOCATION VOL18        VOLUME     466597.264  3728850.293      410.100
   LOCATION VOL19        VOLUME     466728.558  3728795.407      390.450
   LOCATION VOL20        VOLUME     466589.192  3728710.927      399.980
   LOCATION VOL21        VOLUME     466912.586  3728607.075      410.590
   LOCATION VOL22        VOLUME     466814.653  3728551.651      417.960
** Source Parameters **
   SRCPARAM VOL1         0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL2         0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL3         0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL4         0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL5         0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL6         0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL7         0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL8         0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL9         0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL10        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL11        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL12        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL13        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL14        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL15        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL16        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL17        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL18        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL19        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL20        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL21        0.0268809717     5.000    32.286     1.400
   SRCPARAM VOL22        0.0268809717     5.000    32.286     1.400
   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
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   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   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
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   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "Construction LSTs CO -05.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ELSI_V9_ADJU\ELSI_v9.SFC
   PROFFILE ELSI_V9_ADJU\ELSI_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 406.0 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
```

```
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "CONSTRUCTION LSTS CO -05.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "CONSTRUCTION LSTS CO -05.AD\08H1GALL.PLT" 32
   SUMMFILE "Construction LSTs CO -05.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     440       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     440       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

                                  PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 ** Model Options Selected:
      * Model Allows User-Specified 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.
      * Allow FLAT/ELEV Terrain Option by Source,
        with      0 FLAT and     22 ELEV Source(s).
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for    22 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  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: CO

 **Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR

 **This Run Includes:     22 Source(s);       1 Source Group(s); and      46
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     22 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of 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) =   406.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Construction LSTs CO -05.err

 **File for Summary of Results:   Construction LSTs CO -05.sum


 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
 - - -

```
1.40     YES   HRDOW            NO
 VOL7            0   0.26881E-01  466333.6 3729270.0   385.0     5.00    32.29
1.40     YES   HRDOW            NO
 VOL8            0   0.26881E-01  466394.9 3729130.1   390.3     5.00    32.29
1.40     YES   HRDOW            NO
 VOL9            0   0.26881E-01  466312.1 3728990.2   407.4     5.00    32.29
1.40     YES   HRDOW            NO
 VOL10           0   0.26881E-01  466535.4 3729128.5   389.0     5.00    32.29
1.40     YES   HRDOW            NO
 VOL11           0   0.26881E-01  466452.0 3728990.2   399.1     5.00    32.29
1.40     YES   HRDOW            NO
 VOL12           0   0.26881E-01  466591.3 3728989.7   389.9     5.00    32.29
1.40     YES   HRDOW            NO
 VOL13           0   0.26881E-01  466396.0 3729199.0   386.9     5.00    32.29
1.40     YES   HRDOW            NO
 VOL14           0   0.26881E-01  466730.2 3728916.5   389.8     5.00    32.29
1.40     YES   HRDOW            NO
 VOL15           0   0.26881E-01  466728.0 3728656.0   395.0     5.00    32.29
1.40     YES   HRDOW            NO
 VOL16           0   0.26881E-01  466809.8 3728687.3   392.0     5.00    32.29
1.40     YES   HRDOW            NO
 VOL17           0   0.26881E-01  466457.9 3728851.9   399.2     5.00    32.29
1.40     YES   HRDOW            NO
 VOL18           0   0.26881E-01  466597.3 3728850.3   410.1     5.00    32.29
1.40     YES   HRDOW            NO
 VOL19           0   0.26881E-01  466728.6 3728795.4   390.4     5.00    32.29
1.40     YES   HRDOW            NO
 VOL20           0   0.26881E-01  466589.2 3728710.9   400.0     5.00    32.29
1.40     YES   HRDOW            NO
 VOL21           0   0.26881E-01  466912.6 3728607.1   410.6     5.00    32.29
1.40     YES   HRDOW            NO
 VOL22           0   0.26881E-01  466814.7 3728551.7   418.0     5.00    32.29
1.40     YES   HRDOW            NO
↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*


                                              *** SOURCE IDs DEFINING SOURCE GROUPS
***

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

  ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
```

```
VOL6        , VOL7        , VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
VOL22       ,
```

```
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 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL2          ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL3         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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                                  PAGE   8
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*
```

```
                    * 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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
A *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

                                  PAGE  10
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL6          ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .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 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

                                  PAGE  11
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL7         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .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 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
```

OF WEEK (HRDOW) *

 SOURCE ID = VOL8          ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL9          ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

                                  PAGE  14
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
```

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

 SOURCE ID = VOL11        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00


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

```
 SOURCE ID = VOL12        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

                                   PAGE  17
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

                                  PAGE  18
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF 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 = VOL16 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

                                   PAGE  22
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
```

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

 SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00


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

 SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

                                  PAGE  25
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL21        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

 SOURCE ID = VOL22        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 465958.2, 3729269.9, 392.7, 1408.0, 0.0); ( 466852.8, 3728807.3, 394.7, 635.0, 0.0);
( 465755.9, 3729010.3, 400.1, 1408.0, 0.0); ( 466029.8, 3728618.5, 465.5, 465.5, 0.0);
( 466326.2, 3728404.4, 404.1, 1313.0, 0.0); ( 466651.8, 3728102.8, 416.5, 416.5, 0.0);
( 466620.5, 3728094.4, 415.9, 415.9, 0.0); ( 466715.7, 3728045.5, 401.1, 453.0, 0.0);
( 466849.2, 3728002.4, 392.5, 442.0, 0.0); ( 466886.3, 3728009.6, 393.1, 442.0, 0.0);
( 466784.6, 3728067.0, 400.6, 439.0, 0.0); ( 467154.5, 3728238.1, 410.6, 442.0, 0.0);
( 467151.8, 3728336.1, 412.7, 442.0, 0.0); ( 467095.6, 3729260.4, 388.1, 635.0, 0.0);
( 467193.6, 3729161.4, 382.0, 635.0, 0.0); ( 466701.0, 3729639.0, 394.0, 674.0, 0.0);
( 466711.3, 3729684.2, 400.6, 674.0, 0.0); ( 465908.6, 3729208.5, 392.9, 1408.0, 0.0);
( 467033.5, 3729844.0, 395.7, 674.0, 0.0); ( 466935.5, 3729846.8, 397.7, 674.0, 0.0);
( 466031.9, 3728472.8, 477.3, 478.0, 0.0); ( 467387.6, 3729299.4, 401.0, 635.0, 0.0);
( 467617.4, 3729280.2, 402.9, 635.0, 0.0); ( 467474.9, 3729206.5, 398.5, 635.0, 0.0);
( 467637.4, 3729084.0, 395.7, 635.0, 0.0); ( 464714.8, 3730025.5, 414.1, 1408.0, 0.0);
( 464677.7, 3729887.8, 427.8, 1408.0, 0.0); ( 465869.9, 3727325.4, 392.8, 1408.0, 0.0);
( 465435.7, 3727563.9, 399.8, 1408.0, 0.0); ( 467713.1, 3728549.2, 382.0, 635.0, 0.0);
( 467727.2, 3728531.7, 382.1, 635.0, 0.0); ( 467767.2, 3728485.8, 382.9, 635.0, 0.0);
( 467883.9, 3728459.9, 386.0, 635.0, 0.0); ( 467937.5, 3728394.6, 387.0, 635.0, 0.0);
( 467632.4, 3728834.8, 383.8, 635.0, 0.0); ( 467512.7, 3728910.5, 383.4, 635.0, 0.0);
( 467323.0, 3729060.1, 382.6, 635.0, 0.0); ( 467881.3, 3728691.2, 389.8, 635.0, 0.0);
( 467806.5, 3728944.5, 395.6, 635.0, 0.0); ( 467789.7, 3728984.7, 396.6, 635.0, 0.0);
( 467873.8, 3729225.8, 404.5, 635.0, 0.0); ( 467875.7, 3729123.0, 402.3, 635.0, 0.0);

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

1 1 1 

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ELSI_V9_ADJU\ELSI_v9.SFC
Met Version: 16216
Profile file: ELSI_V9_ADJU\ELSI_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O LEN | Z0 | BOWEN | ALBEDO | REF WS | WD | HT | REF TA | HT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 01 | 01 | 1 | 01 | -1.3 | 0.065 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 78. | 9.1 | 284.2 | 5.5 |
| 12 | 01 | 01 | 1 | 02 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 69. | 9.1 | 283.8 | 5.5 |
| 12 | 01 | 01 | 1 | 03 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 286. | 9.1 | 282.5 | 5.5 |
| 12 | 01 | 01 | 1 | 04 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 348. | 9.1 | 282.5 | 5.5 |
| 12 | 01 | 01 | 1 | 05 | -1.3 | 0.066 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 17. | 9.1 | 282.0 | 5.5 |
| 12 | 01 | 01 | 1 | 06 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 161. | 9.1 | 282.0 | 5.5 |
| 12 | 01 | 01 | 1 | 07 | -1.3 | 0.066 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 273. | 9.1 | 282.0 | 5.5 |
| 12 | 01 | 01 | 1 | 08 | -3.6 | 0.091 | -9.000 | -9.000 | -999. | 66. | 18.3 | 0.23 | 2.69 | 0.54 | 0.90 | 113. | 9.1 | 283.8 | 5.5 |
| 12 | 01 | 01 | 1 | 09 | 39.6 | 0.087 | 0.358 | 0.016 | 40. | 61. | -1.4 | 0.23 | 2.69 | 0.33 | 0.40 | 336. | 9.1 | 285.9 | 5.5 |
| 12 | 01 | 01 | 1 | 10 | 110.7 | 0.206 | 0.740 | 0.007 | 127. | 225. | -6.9 | 0.23 | 2.69 | 0.25 | 1.30 | 158. | 9.1 | 291.4 | 5.5 |
| 12 | 01 | 01 | 1 | 11 | 161.7 | 0.105 | 1.203 | 0.005 | 374. | 87. | -1.0 | 0.23 | 2.69 | 0.23 | 0.40 | 33. | 9.1 | 297.0 | 5.5 |
| 12 | 01 | 01 | 1 | 12 | 185.5 | 0.271 | 1.535 | 0.005 | 676. | 339. | -9.3 | 0.23 | 2.69 | 0.22 | 1.80 | 313. | 9.1 | 298.8 | 5.5 |
| 12 | 01 | 01 | 1 | 13 | 183.9 | 0.219 | 1.828 | 0.005 | 1154. | 247. | -4.9 | 0.23 | 2.69 | 0.22 | 1.30 | 250. | 9.1 | 300.4 | 5.5 |
| 12 | 01 | 01 | 1 | 14 | 156.6 | 0.266 | 1.869 | 0.005 | 1446. | 330. | -10.4 | 0.23 | 2.69 | 0.23 | 1.80 | 217. | 9.1 | 301.4 | 5.5 |

```
 12 01 01   1 15  104.7  0.256  1.677  0.005 1562.  311.    -13.8  0.23   2.69
0.27    1.80  248.    9.1  302.0    5.5
 12 01 01   1 16   32.7  0.319  1.147  0.005 1596.  433.    -85.9  0.23   2.69
0.36    2.70  235.    9.1  302.0    5.5
 12 01 01   1 17  -15.5  0.190 -9.000 -9.000 -999.  208.     39.6  0.23   2.69
0.63    1.80   46.    9.1  299.2    5.5
 12 01 01   1 18   -4.1  0.092 -9.000 -9.000 -999.   73.     16.2  0.23   2.69
1.00    0.90  107.    9.1  294.9    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.23   2.69
1.00  999.00  999.   -9.0  292.5    5.5
 12 01 01   1 20   -4.2  0.092 -9.000 -9.000 -999.   67.     16.1  0.23   2.69
1.00    0.90  323.    9.1  290.4    5.5
 12 01 01   1 21   -8.8  0.133 -9.000 -9.000 -999.  116.     23.2  0.23   2.69
1.00    1.30   34.    9.1  287.5    5.5
 12 01 01   1 22   -1.3  0.065 -9.000 -9.000 -999.   41.     18.1  0.23   2.69
1.00    0.40  359.    9.1  286.4    5.5
 12 01 01   1 23   -1.3  0.065 -9.000 -9.000 -999.   40.     18.1  0.23   2.69
1.00    0.40  351.    9.1  285.4    5.5
 12 01 01   1 24   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   11.    9.1  284.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   284.3   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   78.    0.40  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:51:42

                                    PAGE  30
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF CO       IN MICROGRAMS/M**3
```

**

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 465958.17 | 3729269.92 | 10.99216 | (16122216) | 466852.83 | 3728807.35 | 17.54471 | (12122516) |
| 465755.92 | 3729010.35 | 3.54542 | (16122216) | 466029.84 | 3728618.52 | 2.19844 | (16122216) |
| 466326.18 | 3728404.41 | 3.94136 | (16122216) | 466651.83 | 3728102.77 | 2.48931 | (16122216) |
| 466620.50 | 3728094.43 | 2.43287 | (16122216) | 466715.74 | 3728045.55 | 2.24109 | (16122216) |
| 466849.18 | 3728002.38 | 1.98874 | (16122216) | 466886.31 | 3728009.62 | 1.98635 | (16122216) |
| 466784.58 | 3728066.96 | 2.32476 | (16122216) | 467154.51 | 3728238.13 | 7.80295 | (12122516) |
| 467151.79 | 3728336.11 | 10.23665 | (12122516) | 467095.65 | 3729260.36 | 3.19078 | (16122216) |
| 467193.61 | 3729161.45 | 2.90898 | (16122216) | 466700.99 | 3729639.01 | 3.51389 | (16010616) |
| 466711.35 | 3729684.22 | 3.23300 | (16010616) | 465908.60 | 3729208.50 | 7.38209 | (16122216) |
| 467033.50 | 3729843.96 | 1.76624 | (16010616) | 466935.45 | 3729846.80 | 1.99136 | (16010616) |
| 466031.91 | 3728472.80 | 1.70949 | (12012316) | 467387.60 | 3729299.39 | 1.87531 | (16122216) |
| 467617.42 | 3729280.17 | 1.36988 | (16122216) | 467474.88 | 3729206.50 | 1.74323 | (16122216) |
| 467637.44 | 3729083.98 | 1.44215 | (16122216) | 464714.77 | 3730025.47 | 0.68951 | (16122311) |
| 464677.74 | 3729887.77 | 0.63531 | (15122209) | 465869.93 | 3727325.36 | 0.82988 | (12012316) |
| 465435.67 | 3727563.88 | 0.74436 | (12012316) | 467713.10 | 3728549.23 | 1.60601 | (14112016) |
| 467727.24 | 3728531.67 | 1.55415 | (14112016) | 467767.25 | 3728485.80 | 1.39744 | (14112016) |
| 467883.86 | 3728459.94 | 1.18785 | (14112016) | 467937.53 | 3728394.57 | 0.98719 | (14112016) |
| 467632.38 | 3728834.83 | 1.55986 | (14112016) | 467512.74 | 3728910.54 | 1.82340 | (16122216) |
| 467323.00 | 3729060.09 | 2.44060 | (16122216) | 467881.30 | 3728691.21 | 1.28837 | (14112016) |
| 467806.52 | 3728944.51 | 1.26109 | (15122816) | 467789.70 | 3728984.70 | 1.27264 | (15122816) |
| 467873.82 | 3729225.85 | 1.05253 | (16123016) | 467875.69 | 3729123.04 | 1.06647 | (16123016) |
| 468020.59 | 3728487.01 | 1.07952 | (14112016) | 468021.34 | 3728204.18 | 0.77611 | (16122216) |

                             *** 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       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF CO       IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       465958.17   3729269.92        4.07521  (16011516)               466852.83
 3728807.35        4.97593  (14120116)
       465755.92   3729010.35        0.83986  (16011516)               466029.84
 3728618.52        0.66611c (14112616)
       466326.18   3728404.41        0.92100c (14112616)               466651.83
 3728102.77        0.87321  (14122516)
       466620.50   3728094.43        0.83418  (14122516)               466715.74
 3728045.55        0.80240  (14122516)
       466849.18   3728002.38        0.75279  (16110216)               466886.31
 3728009.62        0.77737  (16110216)
       466784.58   3728066.96        0.80450  (16110216)               467154.51
 3728238.13        1.59246  (13112216)
       467151.79   3728336.11        1.97686  (13112216)               467095.65
 3729260.36        0.88383  (15052216)
       467193.61   3729161.45        0.82542  (13112016)               466700.99
 3729639.01        1.15071  (16010616)
       466711.35   3729684.22        1.04295  (16010616)               465908.60
 3729208.50        2.33260  (16011516)
       467033.50   3729843.96        0.50788  (16010616)               466935.45
 3729846.80        0.58886  (16010616)

```
       466031.91   3728472.80        0.55450c (14112616)               467387.60
 3729299.39        0.53006  (13112016)
       467617.42   3729280.17        0.38721  (16121516)               467474.88
 3729206.50        0.47718  (13112016)
       467637.44   3729083.98        0.40114  (16121516)               464714.77
 3730025.47        0.16114  (15120416)
       464677.74   3729887.77        0.16225  (15120416)               465869.93
 3727325.36        0.19691c (14112616)
       465435.67   3727563.88        0.18125  (16122616)               467713.10
 3728549.23        0.41107  (16011816)
       467727.24   3728531.67        0.40009  (16011816)               467767.25
 3728485.80        0.37056  (16011816)
       467883.86   3728459.94        0.32434  (16011816)               467937.53
 3728394.57        0.29474  (16011816)
       467632.38   3728834.83        0.44316  (16011816)               467512.74
 3728910.54        0.49874  (16030716)
       467323.00   3729060.09        0.68808  (16030716)               467881.30
 3728691.21        0.34342  (16011816)
       467806.52   3728944.51        0.35476  (16121516)               467789.70
 3728984.70        0.36148  (16121516)
       467873.82   3729225.85        0.34060  (16121516)               467875.69
 3729123.04        0.34500  (16121516)
       468020.59   3728487.01        0.29182  (15010916)               468021.34
 3728204.18        0.26456  (16122216)
       466451.35   3728209.31        0.78555  (14122516)               466461.97
 3728188.71        0.77278  (14122516)
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:51:42

                                  PAGE  32
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                   ** CONC OF CO       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      17.54471  ON 12122516: AT (  466852.83,
3728807.35,   394.66,   635.00,    0.00)  DC
```

*** THE SUMMARY OF HIGHEST  8-HR RESULTS ***

** CONC OF CO       IN MICROGRAMS/M**3
**

| GROUP ID | AVERAGE | NETWORK CONC OF TYPE | DATE (YYMMDDHH) | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | GRID-ID |
|---|---|---|---|---|---|
| ALL | HIGH | 1ST HIGH VALUE IS | 4.97593 | ON 14120116: AT ( 466852.83, 3728807.35, 394.66, 635.00, 0.00) | DC |



 *** Message Summary : AERMOD Model Execution ***

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

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

```
 A Total of         1763 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          884 Calm Hours Identified

 A Total of          879 Missing Hours Identified (  2.00 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     440       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     440       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 5/13/2025
** File: C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\Construction LSTs
NOX -05\Construction LSTs NOX -05.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\15852 Baker
   MODELOPT CONC FLAT ELEV
   AVERTIME 1
   URBANOPT 2189641 County_of_Riverside
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "Construction LSTs NOX -05.err"
```

```
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     466054.865  3729318.431      390.160
   LOCATION VOL2         VOLUME     466115.133  3729178.529      390.300
   LOCATION VOL3         VOLUME     466139.885  3729409.370      388.320
   LOCATION VOL4         VOLUME     466279.789  3729398.609      384.750
   LOCATION VOL5         VOLUME     466194.233  3729270.005      387.290
   LOCATION VOL6         VOLUME     466255.037  3729130.101      394.170
   LOCATION VOL7         VOLUME     466333.599  3729270.005      385.000
   LOCATION VOL8         VOLUME     466394.941  3729130.101      390.320
   LOCATION VOL9         VOLUME     466312.075  3728990.197      407.410
   LOCATION VOL10        VOLUME     466535.383  3729128.486      389.000
   LOCATION VOL11        VOLUME     466451.979  3728990.197      399.070
   LOCATION VOL12        VOLUME     466591.345  3728989.658      389.950
   LOCATION VOL13        VOLUME     466396.017  3729198.976      386.900
   LOCATION VOL14        VOLUME     466730.172  3728916.478      389.760
   LOCATION VOL15        VOLUME     466728.020  3728656.041      395.000
   LOCATION VOL16        VOLUME     466809.810  3728687.251      391.970
   LOCATION VOL17        VOLUME     466457.898  3728851.907      399.150
   LOCATION VOL18        VOLUME     466597.264  3728850.293      410.100
   LOCATION VOL19        VOLUME     466728.558  3728795.407      390.450
   LOCATION VOL20        VOLUME     466589.192  3728710.927      399.980
   LOCATION VOL21        VOLUME     466912.586  3728607.075      410.590
   LOCATION VOL22        VOLUME     466814.653  3728551.651      417.960
** Source Parameters **
   SRCPARAM VOL1         0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL2         0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL3         0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL4         0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL5         0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL6         0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL7         0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL8         0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL9         0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL10        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL11        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL12        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL13        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL14        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL15        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL16        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL17        0.0167059095     5.000    32.286     1.400
```

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   SRCPARAM VOL18        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL19        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL20        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL21        0.0167059095     5.000    32.286     1.400
   SRCPARAM VOL22        0.0167059095     5.000    32.286     1.400
   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
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
```

```
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   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:
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```
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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```
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
```

```
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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```
   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
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Construction LSTs NOX -05.rou"
RE FINISHED
```

```
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ELSI_V9_ADJU\ELSI_v9.SFC
   PROFFILE ELSI_V9_ADJU\ELSI_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 406.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "CONSTRUCTION LSTS NOX -05.AD\01H1GALL.PLT" 31
   SUMMFILE "Construction LSTs NOX -05.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     440       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     440       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

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 **********************************

↑ *** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                         ***        17:27:58

                                    PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 ** Model Options Selected:
      * Model Allows User-Specified 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.
      * Allow FLAT/ELEV Terrain Option by Source,
        with      0 FLAT and     22 ELEV Source(s).
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for    22 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  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: NOX

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

 **This Run Includes:     22 Source(s);       1 Source Group(s); and      46
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     22 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
```

```
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of 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) =   406.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Construction LSTs NOX -05.err

 **File for Summary of Results:   Construction LSTs NOX -05.sum

 *** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                         ***        17:27:58

                                    PAGE   2
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***
```

| SOURCE ID | NUMBER PART. SCALAR CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE VARY BY | AIRCRAFT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL1 | 0 | 0.16706E-01 | 466054.9 | 3729318.4 | 390.2 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL2 | 0 | 0.16706E-01 | 466115.1 | 3729178.5 | 390.3 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL3 | 0 | 0.16706E-01 | 466139.9 | 3729409.4 | 388.3 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL4 | 0 | 0.16706E-01 | 466279.8 | 3729398.6 | 384.8 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL5 | 0 | 0.16706E-01 | 466194.2 | 3729270.0 | 387.3 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL6 | 0 | 0.16706E-01 | 466255.0 | 3729130.1 | 394.2 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL7 | 0 | 0.16706E-01 | 466333.6 | 3729270.0 | 385.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL8 | 0 | 0.16706E-01 | 466394.9 | 3729130.1 | 390.3 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL9 | 0 | 0.16706E-01 | 466312.1 | 3728990.2 | 407.4 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL10 | 0 | 0.16706E-01 | 466535.4 | 3729128.5 | 389.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL11 | 0 | 0.16706E-01 | 466452.0 | 3728990.2 | 399.1 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL12 | 0 | 0.16706E-01 | 466591.3 | 3728989.7 | 389.9 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL13 | 0 | 0.16706E-01 | 466396.0 | 3729199.0 | 386.9 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL14 | 0 | 0.16706E-01 | 466730.2 | 3728916.5 | 389.8 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL15 | 0 | 0.16706E-01 | 466728.0 | 3728656.0 | 395.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL16 | 0 | 0.16706E-01 | 466809.8 | 3728687.3 | 392.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL17 | 0 | 0.16706E-01 | 466457.9 | 3728851.9 | 399.2 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL18 | 0 | 0.16706E-01 | 466597.3 | 3728850.3 | 410.1 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL19 | 0 | 0.16706E-01 | 466728.6 | 3728795.4 | 390.4 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL20 | 0 | 0.16706E-01 | 466589.2 | 3728710.9 | 400.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW | NO |
| VOL21 | 0 | 0.16706E-01 | 466912.6 | 3728607.1 | 410.6 | 5.00 | 32.29 | | | | |

*** SOURCE IDs DEFINING SOURCE GROUPS
***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , |



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

| URBAN ID | URBAN POP | SOURCE IDs |
|---|---|---|
| 2189641. | VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , |

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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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



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

```
 SOURCE ID = VOL2          ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        17:27:58

                                   PAGE   7
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL3          ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        17:27:58

                                  PAGE   8
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

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

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

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

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



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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        17:27:58

                                   PAGE  12
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL8         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = VOL9         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00


                   * 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
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        17:27:58

                                  PAGE  15
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL11        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

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

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

 SOURCE ID = VOL12        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* 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 | | | | |



* 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
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+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\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        17:27:58

                                   PAGE  19
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL15        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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
```

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


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

 SOURCE ID = VOL16        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                        DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                        DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                        DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

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

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

DAY OF 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 = 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
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        17:27:58

                                   PAGE  23
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
```

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

 SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

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

 SOURCE ID = VOL21        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        17:27:58

                                   PAGE  26
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL22        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     ( 465958.2, 3729269.9,     392.7,    1408.0,       0.0);         ( 466852.8,
3728807.3,     394.7,     635.0,       0.0);
     ( 465755.9, 3729010.3,     400.1,    1408.0,       0.0);         ( 466029.8,
3728618.5,     465.5,     465.5,       0.0);
     ( 466326.2, 3728404.4,     404.1,    1313.0,       0.0);         ( 466651.8,
3728102.8,     416.5,     416.5,       0.0);
     ( 466620.5, 3728094.4,     415.9,     415.9,       0.0);         ( 466715.7,
3728045.5,     401.1,     453.0,       0.0);
     ( 466849.2, 3728002.4,     392.5,     442.0,       0.0);         ( 466886.3,
3728009.6,     393.1,     442.0,       0.0);
     ( 466784.6, 3728067.0,     400.6,     439.0,       0.0);         ( 467154.5,
3728238.1,     410.6,     442.0,       0.0);
     ( 467151.8, 3728336.1,     412.7,     442.0,       0.0);         ( 467095.6,
3729260.4,     388.1,     635.0,       0.0);
     ( 467193.6, 3729161.4,     382.0,     635.0,       0.0);         ( 466701.0,
3729639.0,     394.0,     674.0,       0.0);
     ( 466711.3, 3729684.2,     400.6,     674.0,       0.0);         ( 465908.6,
3729208.5,     392.9,    1408.0,       0.0);
     ( 467033.5, 3729844.0,     395.7,     674.0,       0.0);         ( 466935.5,
3729846.8,     397.7,     674.0,       0.0);
     ( 466031.9, 3728472.8,     477.3,     478.0,       0.0);         ( 467387.6,
3729299.4,     401.0,     635.0,       0.0);

```
     ( 467617.4, 3729280.2,     402.9,     635.0,       0.0);         ( 467474.9,
3729206.5,     398.5,     635.0,       0.0);
     ( 467637.4, 3729084.0,     395.7,     635.0,       0.0);         ( 464714.8,
3730025.5,     414.1,    1408.0,       0.0);
     ( 464677.7, 3729887.8,     427.8,    1408.0,       0.0);         ( 465869.9,
3727325.4,     392.8,    1408.0,       0.0);
     ( 465435.7, 3727563.9,     399.8,    1408.0,       0.0);         ( 467713.1,
3728549.2,     382.0,     635.0,       0.0);
     ( 467727.2, 3728531.7,     382.1,     635.0,       0.0);         ( 467767.2,
3728485.8,     382.9,     635.0,       0.0);
     ( 467883.9, 3728459.9,     386.0,     635.0,       0.0);         ( 467937.5,
3728394.6,     387.0,     635.0,       0.0);
     ( 467632.4, 3728834.8,     383.8,     635.0,       0.0);         ( 467512.7,
3728910.5,     383.4,     635.0,       0.0);
     ( 467323.0, 3729060.1,     382.6,     635.0,       0.0);         ( 467881.3,
3728691.2,     389.8,     635.0,       0.0);
     ( 467806.5, 3728944.5,     395.6,     635.0,       0.0);         ( 467789.7,
3728984.7,     396.6,     635.0,       0.0);
     ( 467873.8, 3729225.8,     404.5,     635.0,       0.0);         ( 467875.7,
3729123.0,     402.3,     635.0,       0.0);
     ( 468020.6, 3728487.0,     389.0,     635.0,       0.0);         ( 468021.3,
3728204.2,     387.4,     387.4,       0.0);
     ( 466451.3, 3728209.3,     413.1,    1313.0,       0.0);         ( 466462.0,
3728188.7,     413.2,    1313.0,       0.0);
 *** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                         ***       17:27:58

                                   PAGE  28
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
```

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: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ELSI_V9_ADJU\ELSI_v9.SFC
Met Version: 16216
Profile file: ELSI_V9_ADJU\ELSI_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O LEN | Z0 | BOWEN | ALBEDO | REF WS | WD | HT | REF TA | HT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 01 | 01 | 1 | 01 | -1.3 | 0.065 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 78. | 9.1 | 284.2 | 5.5 |
| 12 | 01 | 01 | 1 | 02 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 69. | 9.1 | 283.8 | 5.5 |
| 12 | 01 | 01 | 1 | 03 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 286. | 9.1 | 282.5 | 5.5 |
| 12 | 01 | 01 | 1 | 04 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 348. | 9.1 | 282.5 | 5.5 |

```
 12 01 01   1 05   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40   17.    9.1  282.0    5.5
 12 01 01   1 06   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  161.    9.1  282.0    5.5
 12 01 01   1 07   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40  273.    9.1  282.0    5.5
 12 01 01   1 08   -3.6  0.091 -9.000 -9.000 -999.   66.     18.3  0.23   2.69
0.54    0.90  113.    9.1  283.8    5.5
 12 01 01   1 09   39.6  0.087  0.358  0.016   40.   61.     -1.4  0.23   2.69
0.33    0.40  336.    9.1  285.9    5.5
 12 01 01   1 10  110.7  0.206  0.740  0.007  127.  225.     -6.9  0.23   2.69
0.25    1.30  158.    9.1  291.4    5.5
 12 01 01   1 11  161.7  0.105  1.203  0.005  374.   87.     -1.0  0.23   2.69
0.23    0.40   33.    9.1  297.0    5.5
 12 01 01   1 12  185.5  0.271  1.535  0.005  676.  339.     -9.3  0.23   2.69
0.22    1.80  313.    9.1  298.8    5.5
 12 01 01   1 13  183.9  0.219  1.828  0.005 1154.  247.     -4.9  0.23   2.69
0.22    1.30  250.    9.1  300.4    5.5
 12 01 01   1 14  156.6  0.266  1.869  0.005 1446.  330.    -10.4  0.23   2.69
0.23    1.80  217.    9.1  301.4    5.5
 12 01 01   1 15  104.7  0.256  1.677  0.005 1562.  311.    -13.8  0.23   2.69
0.27    1.80  248.    9.1  302.0    5.5
 12 01 01   1 16   32.7  0.319  1.147  0.005 1596.  433.    -85.9  0.23   2.69
0.36    2.70  235.    9.1  302.0    5.5
 12 01 01   1 17  -15.5  0.190 -9.000 -9.000 -999.  208.     39.6  0.23   2.69
0.63    1.80   46.    9.1  299.2    5.5
 12 01 01   1 18   -4.1  0.092 -9.000 -9.000 -999.   73.     16.2  0.23   2.69
1.00    0.90  107.    9.1  294.9    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.23   2.69
1.00  999.00  999.   -9.0  292.5    5.5
 12 01 01   1 20   -4.2  0.092 -9.000 -9.000 -999.   67.     16.1  0.23   2.69
1.00    0.90  323.    9.1  290.4    5.5
 12 01 01   1 21   -8.8  0.133 -9.000 -9.000 -999.  116.     23.2  0.23   2.69
1.00    1.30   34.    9.1  287.5    5.5
 12 01 01   1 22   -1.3  0.065 -9.000 -9.000 -999.   41.     18.1  0.23   2.69
1.00    0.40  359.    9.1  286.4    5.5
 12 01 01   1 23   -1.3  0.065 -9.000 -9.000 -999.   40.     18.1  0.23   2.69
1.00    0.40  351.    9.1  285.4    5.5
 12 01 01   1 24   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   11.    9.1  284.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   284.3   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   78.    0.40  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
```

*** MODELOPTs:    NonDFAULT  CONC  FLAT and  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       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF NOX      IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465958.17   3729269.92        6.83137  (16122216)               466852.83
 3728807.35       10.90363  (12122516)
        465755.92   3729010.35        2.20340  (16122216)               466029.84
 3728618.52        1.36628  (16122216)
        466326.18   3728404.41        2.44946  (16122216)               466651.83
 3728102.77        1.54705  (16122216)
        466620.50   3728094.43        1.51197  (16122216)               466715.74
 3728045.55        1.39279  (16122216)
        466849.18   3728002.38        1.23596  (16122216)               466886.31
 3728009.62        1.23447  (16122216)
        466784.58   3728066.96        1.44479  (16122216)               467154.51
 3728238.13        4.84936  (12122516)
        467151.79   3728336.11        6.36185  (12122516)               467095.65
 3729260.36        1.98300  (16122216)
        467193.61   3729161.45        1.80787  (16122216)               466700.99
 3729639.01        2.18380  (16010616)
        466711.35   3729684.22        2.00924  (16010616)               465908.60
 3729208.50        4.58780  (16122216)
        467033.50   3729843.96        1.09768  (16010616)               466935.45
 3729846.80        1.23758  (16010616)
        466031.91   3728472.80        1.06241  (12012316)               467387.60
 3729299.39        1.16546  (16122216)
        467617.42   3729280.17        0.85135  (16122216)               467474.88
 3729206.50        1.08338  (16122216)

```
       467637.44   3729083.98        0.89626  (16122216)               464714.77
 3730025.47        0.42852  (16122311)
       464677.74   3729887.77        0.39483  (15122209)               465869.93
 3727325.36        0.51575  (12012316)
       465435.67   3727563.88        0.46260  (12012316)               467713.10
 3728549.23        0.99810  (14112016)
       467727.24   3728531.67        0.96587  (14112016)               467767.25
 3728485.80        0.86848  (14112016)
       467883.86   3728459.94        0.73822  (14112016)               467937.53
 3728394.57        0.61352  (14112016)
       467632.38   3728834.83        0.96942  (14112016)               467512.74
 3728910.54        1.13320  (16122216)
       467323.00   3729060.09        1.51678  (16122216)               467881.30
 3728691.21        0.80069  (14112016)
       467806.52   3728944.51        0.78374  (15122816)               467789.70
 3728984.70        0.79092  (15122816)
       467873.82   3729225.85        0.65412  (16123016)               467875.69
 3729123.04        0.66278  (16123016)
       468020.59   3728487.01        0.67089  (14112016)               468021.34
 3728204.18        0.48234  (16122216)
       466451.35   3728209.31        1.79615  (16122216)               466461.97
 3728188.71        1.73126  (16122216)
 *** AERMOD - VERSION 24142  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        05/13/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        17:27:58

                                  PAGE  31
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                   ** CONC OF NOX      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      10.90363  ON 12122516: AT (  466852.83,
3728807.35,   394.66,   635.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
```

 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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            2 Warning Message(s)
 A Total of         1763 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          884 Calm Hours Identified

 A Total of          879 Missing Hours Identified (  2.00 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     440       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     440       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
** Lakes Environmental AERMOD MPI
**
***************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2025
** File: C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\Construction LSTs
PM10 -05\Construction LSTs PM10 -05.ADI
**
***************************************

```
**
**
*************************************
** AERMOD Control Pathway
*************************************
**
**
CO STARTING
   TITLEONE C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\15852 Baker
   MODELOPT CONC FLAT ELEV
   AVERTIME 24
   URBANOPT 2189641 County_of_Riverside
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "Construction LSTs PM10 -05.err"
CO FINISHED
**
*************************************
** AERMOD Source Pathway
*************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     466054.865  3729318.431      390.160
   LOCATION VOL2         VOLUME     466115.133  3729178.529      390.300
   LOCATION VOL3         VOLUME     466139.885  3729409.370      388.320
   LOCATION VOL4         VOLUME     466279.789  3729398.609      384.750
   LOCATION VOL5         VOLUME     466194.233  3729270.005      387.290
   LOCATION VOL6         VOLUME     466255.037  3729130.101      394.170
   LOCATION VOL7         VOLUME     466333.599  3729270.005      385.000
   LOCATION VOL8         VOLUME     466394.941  3729130.101      390.320
   LOCATION VOL9         VOLUME     466312.075  3728990.197      407.410
   LOCATION VOL10        VOLUME     466535.383  3729128.486      389.000
   LOCATION VOL11        VOLUME     466451.979  3728990.197      399.070
   LOCATION VOL12        VOLUME     466591.345  3728989.658      389.950
   LOCATION VOL13        VOLUME     466396.017  3729198.976      386.900
   LOCATION VOL14        VOLUME     466730.172  3728916.478      389.760
   LOCATION VOL15        VOLUME     466728.020  3728656.041      395.000
   LOCATION VOL16        VOLUME     466809.810  3728687.251      391.970
   LOCATION VOL17        VOLUME     466457.898  3728851.907      399.150
   LOCATION VOL18        VOLUME     466597.264  3728850.293      410.100
   LOCATION VOL19        VOLUME     466728.558  3728795.407      390.450
   LOCATION VOL20        VOLUME     466589.192  3728710.927      399.980
   LOCATION VOL21        VOLUME     466912.586  3728607.075      410.590
   LOCATION VOL22        VOLUME     466814.653  3728551.651      417.960
   LOCATION PAREA1       AREAPOLY   465984.482  3729305.141      392.180
** Source Parameters **
```

```
   SRCPARAM VOL1         0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL2         0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL3         0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL4         0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL5         0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL6         0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL7         0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL8         0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL9         0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL10        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL11        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL12        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL13        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL14        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL15        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL16        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL17        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL18        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL19        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL20        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL21        0.0001905972     5.000    32.286     1.400
   SRCPARAM VOL22        0.0001905972     5.000    32.286     1.400
   SRCPARAM PAREA1       3.326E-07     0.000        24     1.000
   AREAVERT PAREA1       465984.482 3729305.141 466135.803 3729456.462
   AREAVERT PAREA1       466154.427 3729469.965 466173.983 3729477.880
   AREAVERT PAREA1       466183.761 3729473.224 466191.676 3729458.325
   AREAVERT PAREA1       466217.284 3729416.420 466243.823 3729388.018
   AREAVERT PAREA1       466258.723 3729376.378 466363.949 3729272.083
   AREAVERT PAREA1       466524.583 3729117.037 466637.259 3729009.482
   AREAVERT PAREA1       466695.925 3728954.541 466814.188 3728845.124
   AREAVERT PAREA1       466759.713 3728792.511 466944.092 3728615.116
   AREAVERT PAREA1       466984.134 3728576.471 466940.833 3728530.842
   AREAVERT PAREA1       466915.690 3728555.519 466843.521 3728481.488
   AREAVERT PAREA1       466554.847 3728757.125 466413.769 3728892.150
   AREAVERT PAREA1       466239.633 3729059.302 466120.438 3729173.375
   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
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
```

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

```
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
```

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

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

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

```
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT 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 ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Construction LSTs PM10 -05.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
```

```
**
ME STARTING
   SURFFILE ELSI_V9_ADJU\ELSI_v9.SFC
   PROFFILE ELSI_V9_ADJU\ELSI_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 406.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "CONSTRUCTION LSTS PM10 -05.AD\24H1GALL.PLT" 31
   SUMMFILE "Construction LSTs PM10 -05.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     469       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     469       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs:  NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

***  MODEL SETUP OPTIONS SUMMARY  ***

- - - -

 **The AERMET Input Meteorological Data Version Date:  16216

 **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) =   406.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Construction LSTs PM10 -05.err

 **File for Summary of Results:   Construction LSTs PM10 -05.sum

 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:56:33

                                   PAGE   2
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
 - - -
```

*** AREAPOLY SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC /METER**2) | LOCATION OF AREA X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | NUMBER OF VERTS. | INIT. SZ SOURCE SCALAR | URBAN SOURCE VARY BY |
|---|---|---|---|---|---|---|---|---|---|
| PAREA1 | 0 | 0.33260E-06 | 465984.5 | 3729305.1 | 392.2 | 0.00 | 24 | 1.00 | YES HRDOW | NO |



*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , PAREA1 , |

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

| URBAN ID | URBAN POP | SOURCE IDs |
|---|---|---|
| | 2189641. | VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , |
| | | VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , |
| | | VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , PAREA1 , |



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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:56:33

                                  PAGE   7
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL2         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:56:33

                                  PAGE   8
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*
```

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

 SOURCE ID = VOL3          ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                    * 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
↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:56:33

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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
```

                  * 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
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   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:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL8          ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:56:33

                                  PAGE  14
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL9         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

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

 SOURCE ID = VOL10        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00


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

```
 SOURCE ID = VOL11        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:56:33

                                  PAGE  17
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL12        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF 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 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:56:33

                                  PAGE  18
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
```

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



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

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
1 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:56:33

                                   PAGE  22
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
1 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
```

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

 SOURCE ID = VOL18        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00


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

 SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:56:33

                                  PAGE  25
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

 SOURCE ID = VOL21        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

 SOURCE ID = VOL22        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                                                    DAY OF 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 = PAREA1       ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                                                    DAY OF WEEK = WEEKDAY

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 465958.2, 3729269.9, 392.7, 1408.0, 0.0); ( 466852.8, 3728807.3, 394.7, 635.0, 0.0);
( 465755.9, 3729010.3, 400.1, 1408.0, 0.0); ( 466029.8, 3728618.5, 465.5, 465.5, 0.0);
( 466326.2, 3728404.4, 404.1, 1313.0, 0.0); ( 466651.8, 3728102.8, 416.5, 416.5, 0.0);
( 466620.5, 3728094.4, 415.9, 415.9, 0.0); ( 466715.7, 3728045.5, 401.1, 453.0, 0.0);
( 466849.2, 3728002.4, 392.5, 442.0, 0.0); ( 466886.3, 3728009.6, 393.1, 442.0, 0.0);
( 466784.6, 3728067.0, 400.6, 439.0, 0.0); ( 467154.5, 3728238.1, 410.6, 442.0, 0.0);
( 467151.8, 3728336.1, 412.7, 442.0, 0.0); ( 467095.6, 3729260.4, 388.1, 635.0, 0.0);
( 467193.6, 3729161.4, 382.0, 635.0, 0.0); ( 466701.0, 3729639.0, 394.0, 674.0, 0.0);
( 466711.3, 3729684.2, 400.6, 674.0, 0.0); ( 465908.6, 3729208.5, 392.9, 1408.0, 0.0);

```
     ( 467033.5, 3729844.0,     395.7,     674.0,       0.0);         ( 466935.5,
3729846.8,     397.7,     674.0,       0.0);
     ( 466031.9, 3728472.8,     477.3,     478.0,       0.0);         ( 467387.6,
3729299.4,     401.0,     635.0,       0.0);
     ( 467617.4, 3729280.2,     402.9,     635.0,       0.0);         ( 467474.9,
3729206.5,     398.5,     635.0,       0.0);
     ( 467637.4, 3729084.0,     395.7,     635.0,       0.0);         ( 464714.8,
3730025.5,     414.1,    1408.0,       0.0);
     ( 464677.7, 3729887.8,     427.8,    1408.0,       0.0);         ( 465869.9,
3727325.4,     392.8,    1408.0,       0.0);
     ( 465435.7, 3727563.9,     399.8,    1408.0,       0.0);         ( 467713.1,
3728549.2,     382.0,     635.0,       0.0);
     ( 467727.2, 3728531.7,     382.1,     635.0,       0.0);         ( 467767.2,
3728485.8,     382.9,     635.0,       0.0);
     ( 467883.9, 3728459.9,     386.0,     635.0,       0.0);         ( 467937.5,
3728394.6,     387.0,     635.0,       0.0);
     ( 467632.4, 3728834.8,     383.8,     635.0,       0.0);         ( 467512.7,
3728910.5,     383.4,     635.0,       0.0);
     ( 467323.0, 3729060.1,     382.6,     635.0,       0.0);         ( 467881.3,
3728691.2,     389.8,     635.0,       0.0);
     ( 467806.5, 3728944.5,     395.6,     635.0,       0.0);         ( 467789.7,
3728984.7,     396.6,     635.0,       0.0);
     ( 467873.8, 3729225.8,     404.5,     635.0,       0.0);         ( 467875.7,
3729123.0,     402.3,     635.0,       0.0);
     ( 468020.6, 3728487.0,     389.0,     635.0,       0.0);         ( 468021.3,
3728204.2,     387.4,     387.4,       0.0);
     ( 466451.3, 3728209.3,     413.1,    1313.0,       0.0);         ( 466462.0,
3728188.7,     413.2,    1313.0,       0.0);
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:56:33

                                  PAGE  30
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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

                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,
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:56:33

                                   PAGE  31
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                    *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   ELSI_V9_ADJU\ELSI_v9.SFC
                 Met Version:  16216
   Profile file:   ELSI_V9_ADJU\ELSI_v9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:     3171                 Upper air station no.:     3190
                 Name: UNKNOWN                                    Name: UNKNOWN

                 Year:   2012                                     Year:   2012

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
 12 01 01   1 01   -1.3  0.065 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40   78.    9.1  284.2    5.5
 12 01 01   1 02   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   69.    9.1  283.8    5.5
```

```
 12 01 01   1 03   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  286.    9.1  282.5    5.5
 12 01 01   1 04   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  348.    9.1  282.5    5.5
 12 01 01   1 05   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40   17.    9.1  282.0    5.5
 12 01 01   1 06   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  161.    9.1  282.0    5.5
 12 01 01   1 07   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40  273.    9.1  282.0    5.5
 12 01 01   1 08   -3.6  0.091 -9.000 -9.000 -999.   66.     18.3  0.23   2.69
0.54    0.90  113.    9.1  283.8    5.5
 12 01 01   1 09   39.6  0.087  0.358  0.016   40.   61.     -1.4  0.23   2.69
0.33    0.40  336.    9.1  285.9    5.5
 12 01 01   1 10  110.7  0.206  0.740  0.007  127.  225.     -6.9  0.23   2.69
0.25    1.30  158.    9.1  291.4    5.5
 12 01 01   1 11  161.7  0.105  1.203  0.005  374.   87.     -1.0  0.23   2.69
0.23    0.40   33.    9.1  297.0    5.5
 12 01 01   1 12  185.5  0.271  1.535  0.005  676.  339.     -9.3  0.23   2.69
0.22    1.80  313.    9.1  298.8    5.5
 12 01 01   1 13  183.9  0.219  1.828  0.005 1154.  247.     -4.9  0.23   2.69
0.22    1.30  250.    9.1  300.4    5.5
 12 01 01   1 14  156.6  0.266  1.869  0.005 1446.  330.    -10.4  0.23   2.69
0.23    1.80  217.    9.1  301.4    5.5
 12 01 01   1 15  104.7  0.256  1.677  0.005 1562.  311.    -13.8  0.23   2.69
0.27    1.80  248.    9.1  302.0    5.5
 12 01 01   1 16   32.7  0.319  1.147  0.005 1596.  433.    -85.9  0.23   2.69
0.36    2.70  235.    9.1  302.0    5.5
 12 01 01   1 17  -15.5  0.190 -9.000 -9.000 -999.  208.     39.6  0.23   2.69
0.63    1.80   46.    9.1  299.2    5.5
 12 01 01   1 18   -4.1  0.092 -9.000 -9.000 -999.   73.     16.2  0.23   2.69
1.00    0.90  107.    9.1  294.9    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.23   2.69
1.00  999.00  999.   -9.0  292.5    5.5
 12 01 01   1 20   -4.2  0.092 -9.000 -9.000 -999.   67.     16.1  0.23   2.69
1.00    0.90  323.    9.1  290.4    5.5
 12 01 01   1 21   -8.8  0.133 -9.000 -9.000 -999.  116.     23.2  0.23   2.69
1.00    1.30   34.    9.1  287.5    5.5
 12 01 01   1 22   -1.3  0.065 -9.000 -9.000 -999.   41.     18.1  0.23   2.69
1.00    0.40  359.    9.1  286.4    5.5
 12 01 01   1 23   -1.3  0.065 -9.000 -9.000 -999.   40.     18.1  0.23   2.69
1.00    0.40  351.    9.1  285.4    5.5
 12 01 01   1 24   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   11.    9.1  284.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   284.3   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   78.    0.40  -999.0   99.0  -99.00  -99.00
```

*** MODELOPTs: NonDFAULT CONC FLAT and 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 , PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 465958.17 | 3729269.92 | 0.33031c | (16011524) | 466852.83 | 3728807.35 | 0.49384c | (16122224) |
| 465755.92 | 3729010.35 | 0.05555c | (16011524) | 466029.84 | 3728618.52 | 0.03578 | (13122324) |
| 466326.18 | 3728404.41 | 0.05230 | (16122624) | 466651.83 | 3728102.77 | 0.05380 | (15010524) |
| 466620.50 | 3728094.43 | 0.05010 | (15010524) | 466715.74 | 3728045.55 | 0.05697 | (15010524) |
| 466849.18 | 3728002.38 | 0.05972 | (14110324) | 466886.31 | 3728009.62 | 0.05901 | (14110324) |
| 466784.58 | 3728066.96 | 0.06477 | (14110324) | 467154.51 | 3728238.13 | 0.11916 | (13112224) |
| 467151.79 | 3728336.11 | 0.14162 | (13112224) | 467095.65 | 3729260.36 | 0.14377c | (16122224) |
| 467193.61 | 3729161.45 | 0.14345c | (16122224) | 466700.99 | 3729639.01 | 0.10953c | (15120424) |
| 466711.35 | 3729684.22 | 0.10515c | (15120424) | 465908.60 | 3729208.50 | 0.16909c | (16011524) |
| 467033.50 | 3729843.96 | 0.08429c | (15120424) | 466935.45 | 3729846.80 | 0.08944c | (15120424) |

```
       466031.91   3728472.80        0.03063c (16112824)               467387.60
 3729299.39        0.11794c (16122224)
       467617.42   3729280.17        0.10666c (16122224)               467474.88
 3729206.50        0.11791c (16122224)
       467637.44   3729083.98        0.10928c (16122224)               464714.77
 3730025.47        0.02708  (16040824)
       464677.74   3729887.77        0.02613  (16040824)               465869.93
 3727325.36        0.02246  (16122824)
       465435.67   3727563.88        0.01736c (16112824)               467713.10
 3728549.23        0.05332  (14121024)
       467727.24   3728531.67        0.05273  (14121024)               467767.25
 3728485.80        0.05080  (14121024)
       467883.86   3728459.94        0.04739  (14121024)               467937.53
 3728394.57        0.04455  (14121024)
       467632.38   3728834.83        0.08593c (16122224)               467512.74
 3728910.54        0.10445c (16122224)
       467323.00   3729060.09        0.13876c (16122224)               467881.30
 3728691.21        0.06307c (16121524)
       467806.52   3728944.51        0.08336c (16122224)               467789.70
 3728984.70        0.08889c (16122224)
       467873.82   3729225.85        0.09574c (16122224)               467875.69
 3729123.04        0.09383c (16122224)
       468020.59   3728487.01        0.04573c (16121524)               468021.34
 3728204.18        0.03384  (14121024)
       466451.35   3728209.31        0.04705  (14122524)               466461.97
 3728188.71        0.04645  (14122524)
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:56:33

                                    PAGE  33
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                                 *** THE SUMMARY OF HIGHEST 24-HR
RESULTS ***


                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
               **

                                                        DATE
                                          NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       0.49384c ON 16122224: AT (  466852.83,
3728807.35,   394.66,   635.00,    0.00)  DC
```

```
 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:56:33

                                  PAGE  34
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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            2 Warning Message(s)
 A Total of         1763 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          884 Calm Hours Identified

 A Total of          879 Missing Hours Identified (  2.00 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     469       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     469       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2025
```

```
** File: C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\Construction LSTs
PM25 -05\Construction LSTs PM25 -05.ADI
**
**********************************
**
**
**********************************
** AERMOD Control Pathway
**********************************
**
**
CO STARTING
   TITLEONE C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\15852 Baker
   MODELOPT CONC FLAT ELEV
   AVERTIME 24
   URBANOPT 2189641 County_of_Riverside
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "Construction LSTs PM25 -05.err"
CO FINISHED
**
**********************************
** AERMOD Source Pathway
**********************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     466054.865  3729318.431      390.160
   LOCATION VOL2         VOLUME     466115.133  3729178.529      390.300
   LOCATION VOL3         VOLUME     466139.885  3729409.370      388.320
   LOCATION VOL4         VOLUME     466279.789  3729398.609      384.750
   LOCATION VOL5         VOLUME     466194.233  3729270.005      387.290
   LOCATION VOL6         VOLUME     466255.037  3729130.101      394.170
   LOCATION VOL7         VOLUME     466333.599  3729270.005      385.000
   LOCATION VOL8         VOLUME     466394.941  3729130.101      390.320
   LOCATION VOL9         VOLUME     466312.075  3728990.197      407.410
   LOCATION VOL10        VOLUME     466535.383  3729128.486      389.000
   LOCATION VOL11        VOLUME     466451.979  3728990.197      399.070
   LOCATION VOL12        VOLUME     466591.345  3728989.658      389.950
   LOCATION VOL13        VOLUME     466396.017  3729198.976      386.900
   LOCATION VOL14        VOLUME     466730.172  3728916.478      389.760
   LOCATION VOL15        VOLUME     466728.020  3728656.041      395.000
   LOCATION VOL16        VOLUME     466809.810  3728687.251      391.970
   LOCATION VOL17        VOLUME     466457.898  3728851.907      399.150
   LOCATION VOL18        VOLUME     466597.264  3728850.293      410.100
   LOCATION VOL19        VOLUME     466728.558  3728795.407      390.450
   LOCATION VOL20        VOLUME     466589.192  3728710.927      399.980
```

```
   LOCATION VOL21        VOLUME     466912.586  3728607.075      410.590
   LOCATION VOL22        VOLUME     466814.653  3728551.651      417.960
   LOCATION PAREA1       AREAPOLY   465984.482  3729305.141      392.180
** Source Parameters **
   SRCPARAM VOL1         0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL2         0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL3         0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL4         0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL5         0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL6         0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL7         0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL8         0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL9         0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL10        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL11        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL12        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL13        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL14        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL15        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL16        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL17        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL18        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL19        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL20        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL21        0.0001819608     5.000    32.286     1.400
   SRCPARAM VOL22        0.0001819608     5.000    32.286     1.400
   SRCPARAM PAREA1       1.5779E-07     0.000       24     1.000
   AREAVERT PAREA1       465984.482 3729305.141 466135.803 3729456.462
   AREAVERT PAREA1       466154.427 3729469.965 466173.983 3729477.880
   AREAVERT PAREA1       466183.761 3729473.224 466191.676 3729458.325
   AREAVERT PAREA1       466217.284 3729416.420 466243.823 3729388.018
   AREAVERT PAREA1       466258.723 3729376.378 466363.949 3729272.083
   AREAVERT PAREA1       466524.583 3729117.037 466637.259 3729009.482
   AREAVERT PAREA1       466695.925 3728954.541 466814.188 3728845.124
   AREAVERT PAREA1       466759.713 3728792.511 466944.092 3728615.116
   AREAVERT PAREA1       466984.134 3728576.471 466940.833 3728530.842
   AREAVERT PAREA1       466915.690 3728555.519 466843.521 3728481.488
   AREAVERT PAREA1       466554.847 3728757.125 466413.769 3728892.150
   AREAVERT PAREA1       466239.633 3729059.302 466120.438 3729173.375
   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
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   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   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
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   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT 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 ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Construction LSTs PM25 -05.rou"
RE FINISHED
**
```

```
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ELSI_V9_ADJU\ELSI_v9.SFC
   PROFFILE ELSI_V9_ADJU\ELSI_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 406.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "CONSTRUCTION LSTS PM25 -05.AD\24H1GALL.PLT" 31
   SUMMFILE "Construction LSTs PM25 -05.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     469       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     469       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

```
                and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
         Model Outputs Tables of 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) =   406.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Construction LSTs PM25 -05.err

 **File for Summary of Results:   Construction LSTs PM25 -05.sum

↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:58:39

                                   PAGE   2
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
```

| INIT. SOURCE ID | URBAN SOURCE | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | ELEV. (METERS) | HEIGHT (METERS) | SY (METERS) | SZ (METERS) | AIRCRAFT SOURCE | PART. SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| VOL1 | 0 | 0.18196E-03 | 466054.9 | 3729318.4 | 390.2 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL2 | 0 | 0.18196E-03 | 466115.1 | 3729178.5 | 390.3 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL3 | 0 | 0.18196E-03 | 466139.9 | 3729409.4 | 388.3 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL4 | 0 | 0.18196E-03 | 466279.8 | 3729398.6 | 384.8 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL5 | 0 | 0.18196E-03 | 466194.2 | 3729270.0 | 387.3 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL6 | 0 | 0.18196E-03 | 466255.0 | 3729130.1 | 394.2 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL7 | 0 | 0.18196E-03 | 466333.6 | 3729270.0 | 385.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL8 | 0 | 0.18196E-03 | 466394.9 | 3729130.1 | 390.3 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL9 | 0 | 0.18196E-03 | 466312.1 | 3728990.2 | 407.4 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL10 | 0 | 0.18196E-03 | 466535.4 | 3729128.5 | 389.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL11 | 0 | 0.18196E-03 | 466452.0 | 3728990.2 | 399.1 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL12 | 0 | 0.18196E-03 | 466591.3 | 3728989.7 | 389.9 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL13 | 0 | 0.18196E-03 | 466396.0 | 3729199.0 | 386.9 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL14 | 0 | 0.18196E-03 | 466730.2 | 3728916.5 | 389.8 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL15 | 0 | 0.18196E-03 | 466728.0 | 3728656.0 | 395.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL16 | 0 | 0.18196E-03 | 466809.8 | 3728687.3 | 392.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL17 | 0 | 0.18196E-03 | 466457.9 | 3728851.9 | 399.2 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL18 | 0 | 0.18196E-03 | 466597.3 | 3728850.3 | 410.1 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL19 | 0 | 0.18196E-03 | 466728.6 | 3728795.4 | 390.4 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL20 | 0 | 0.18196E-03 | 466589.2 | 3728710.9 | 400.0 | 5.00 | 32.29 | 1.40 | YES | HRDOW |
| VOL21 | 0 | 0.18196E-03 | 466912.6 | 3728607.1 | 410.6 | 5.00 | 32.29 | 1.40 | YES | HRDOW |

```
 VOL22            0   0.18196E-03  466814.7 3728551.7   418.0     5.00    32.29
1.40     YES   HRDOW            NO
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Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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   0.15779E-06  465984.5 3729305.1   392.2     0.00      24
   1.00     YES   HRDOW            NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*


                                             *** SOURCE IDs DEFINING SOURCE GROUPS
***

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


  ALL        VOL1       , VOL2       , VOL3       , VOL4       , VOL5       ,
VOL6       , VOL7       , VOL8       ,

             VOL9       , VOL10      , VOL11      , VOL12      , VOL13      ,
VOL14      , VOL15      , VOL16      ,

             VOL17      , VOL18      , VOL19      , VOL20      , VOL21      ,
VOL22      , PAREA1     ,
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
```

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

| URBAN ID | URBAN POP | SOURCE IDs |
|---|---|---|
| | 2189641. | VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , |
| | | VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , |
| | | VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , PAREA1 , |



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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

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

```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL2          ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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

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


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

 SOURCE ID = VOL4         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

                   * 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
*** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:58:39

                                  PAGE  11
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL6          ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .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 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:58:39
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*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

DAY OF WEEK = WEEKDAY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .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: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

DAY OF 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 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:58:39

                                  PAGE  14
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL9          ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:58:39

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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*
```

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

 SOURCE ID = VOL11        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
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 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:58:39

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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
```

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


                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL15        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF 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:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL16        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00

22  .0000E+00   23  .0000E+00   24  .0000E+00

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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



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

SOURCE ID = VOL17  ; SOURCE TYPE = VOLUME  :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

DAY OF WEEK = WEEKDAY

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

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

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

 SOURCE ID = VOL18        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00


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

```
 SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:58:39

                                  PAGE  25
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:58:39

                                  PAGE  26
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL21        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :

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



* 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
 - - -

```
     ( 467193.6, 3729161.4,     382.0,     635.0,       0.0);         ( 466701.0,
3729639.0,     394.0,     674.0,       0.0);
     ( 466711.3, 3729684.2,     400.6,     674.0,       0.0);         ( 465908.6,
3729208.5,     392.9,    1408.0,       0.0);
     ( 467033.5, 3729844.0,     395.7,     674.0,       0.0);         ( 466935.5,
3729846.8,     397.7,     674.0,       0.0);
     ( 466031.9, 3728472.8,     477.3,     478.0,       0.0);         ( 467387.6,
3729299.4,     401.0,     635.0,       0.0);
     ( 467617.4, 3729280.2,     402.9,     635.0,       0.0);         ( 467474.9,
3729206.5,     398.5,     635.0,       0.0);
     ( 467637.4, 3729084.0,     395.7,     635.0,       0.0);         ( 464714.8,
3730025.5,     414.1,    1408.0,       0.0);
     ( 464677.7, 3729887.8,     427.8,    1408.0,       0.0);         ( 465869.9,
3727325.4,     392.8,    1408.0,       0.0);
     ( 465435.7, 3727563.9,     399.8,    1408.0,       0.0);         ( 467713.1,
3728549.2,     382.0,     635.0,       0.0);
     ( 467727.2, 3728531.7,     382.1,     635.0,       0.0);         ( 467767.2,
3728485.8,     382.9,     635.0,       0.0);
     ( 467883.9, 3728459.9,     386.0,     635.0,       0.0);         ( 467937.5,
3728394.6,     387.0,     635.0,       0.0);
     ( 467632.4, 3728834.8,     383.8,     635.0,       0.0);         ( 467512.7,
3728910.5,     383.4,     635.0,       0.0);
     ( 467323.0, 3729060.1,     382.6,     635.0,       0.0);         ( 467881.3,
3728691.2,     389.8,     635.0,       0.0);
     ( 467806.5, 3728944.5,     395.6,     635.0,       0.0);         ( 467789.7,
3728984.7,     396.6,     635.0,       0.0);
     ( 467873.8, 3729225.8,     404.5,     635.0,       0.0);         ( 467875.7,
3729123.0,     402.3,     635.0,       0.0);
     ( 468020.6, 3728487.0,     389.0,     635.0,       0.0);         ( 468021.3,
3728204.2,     387.4,     387.4,       0.0);
     ( 466451.3, 3728209.3,     413.1,    1313.0,       0.0);         ( 466462.0,
3728188.7,     413.2,    1313.0,       0.0);
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:58:39

                                   PAGE  30
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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
```

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: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ELSI_V9_ADJU\ELSI_v9.SFC
Met Version: 16216
Profile file: ELSI_V9_ADJU\ELSI_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O LEN | Z0 | BOWEN | ALBEDO | REF WS | WD | HT | REF TA | HT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

```
 12 01 01   1 01   -1.3  0.065 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40   78.    9.1  284.2    5.5
 12 01 01   1 02   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   69.    9.1  283.8    5.5
 12 01 01   1 03   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  286.    9.1  282.5    5.5
 12 01 01   1 04   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  348.    9.1  282.5    5.5
 12 01 01   1 05   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40   17.    9.1  282.0    5.5
 12 01 01   1 06   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  161.    9.1  282.0    5.5
 12 01 01   1 07   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40  273.    9.1  282.0    5.5
 12 01 01   1 08   -3.6  0.091 -9.000 -9.000 -999.   66.     18.3  0.23   2.69
0.54    0.90  113.    9.1  283.8    5.5
 12 01 01   1 09   39.6  0.087  0.358  0.016   40.   61.     -1.4  0.23   2.69
0.33    0.40  336.    9.1  285.9    5.5
 12 01 01   1 10  110.7  0.206  0.740  0.007  127.  225.     -6.9  0.23   2.69
0.25    1.30  158.    9.1  291.4    5.5
 12 01 01   1 11  161.7  0.105  1.203  0.005  374.   87.     -1.0  0.23   2.69
0.23    0.40   33.    9.1  297.0    5.5
 12 01 01   1 12  185.5  0.271  1.535  0.005  676.  339.     -9.3  0.23   2.69
0.22    1.80  313.    9.1  298.8    5.5
 12 01 01   1 13  183.9  0.219  1.828  0.005 1154.  247.     -4.9  0.23   2.69
0.22    1.30  250.    9.1  300.4    5.5
 12 01 01   1 14  156.6  0.266  1.869  0.005 1446.  330.    -10.4  0.23   2.69
0.23    1.80  217.    9.1  301.4    5.5
 12 01 01   1 15  104.7  0.256  1.677  0.005 1562.  311.    -13.8  0.23   2.69
0.27    1.80  248.    9.1  302.0    5.5
 12 01 01   1 16   32.7  0.319  1.147  0.005 1596.  433.    -85.9  0.23   2.69
0.36    2.70  235.    9.1  302.0    5.5
 12 01 01   1 17  -15.5  0.190 -9.000 -9.000 -999.  208.     39.6  0.23   2.69
0.63    1.80   46.    9.1  299.2    5.5
 12 01 01   1 18   -4.1  0.092 -9.000 -9.000 -999.   73.     16.2  0.23   2.69
1.00    0.90  107.    9.1  294.9    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.23   2.69
1.00  999.00  999.   -9.0  292.5    5.5
 12 01 01   1 20   -4.2  0.092 -9.000 -9.000 -999.   67.     16.1  0.23   2.69
1.00    0.90  323.    9.1  290.4    5.5
 12 01 01   1 21   -8.8  0.133 -9.000 -9.000 -999.  116.     23.2  0.23   2.69
1.00    1.30   34.    9.1  287.5    5.5
 12 01 01   1 22   -1.3  0.065 -9.000 -9.000 -999.   41.     18.1  0.23   2.69
1.00    0.40  359.    9.1  286.4    5.5
 12 01 01   1 23   -1.3  0.065 -9.000 -9.000 -999.   40.     18.1  0.23   2.69
1.00    0.40  351.    9.1  285.4    5.5
 12 01 01   1 24   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   11.    9.1  284.9    5.5
```

*** 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       , PAREA1      ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5   IN MICROGRAMS/M**3
**

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 465958.17 | 3729269.92 | 0.16153c | (16011524) | 466852.83 | 3728807.35 | 0.24071c | (16122224) |
| 465755.92 | 3729010.35 | 0.02735c | (16011524) | 466029.84 | 3728618.52 | 0.01766 | (13122324) |
| 466326.18 | 3728404.41 | 0.02564 | (16122624) | 466651.83 | 3728102.77 | 0.02633 | (15010524) |
| 466620.50 | 3728094.43 | 0.02454 | (15010524) | 466715.74 | 3728045.55 | 0.02781 | (15010524) |
| 466849.18 | 3728002.38 | 0.02910 | (14110324) | 466886.31 | 3728009.62 | 0.02873 | (14110324) |
| 466784.58 | 3728066.96 | 0.03163 | (14110324) | 467154.51 | 3728238.13 | 0.05834 | (13112224) |
| 467151.79 | 3728336.11 | 0.06943 | (13112224) | 467095.65 | 3729260.36 | 0.06904c | (16122224) |
| 467193.61 | 3729161.45 | 0.06882c | (16122224) | 466700.99 | 3729639.01 | 0.05279c | (15120424) |

```
       466711.35   3729684.22        0.05065c (15120424)                465908.60
 3729208.50        0.08298c (16011524)
       467033.50   3729843.96        0.04051c (15120424)                466935.45
 3729846.80        0.04298c (15120424)
       466031.91   3728472.80        0.01499  (16122624)                467387.60
 3729299.39        0.05644c (16122224)
       467617.42   3729280.17        0.05097c (16122224)                467474.88
 3729206.50        0.05640c (16122224)
       467637.44   3729083.98        0.05224c (16122224)                464714.77
 3730025.47        0.01294  (16040824)
       464677.74   3729887.77        0.01249  (16040824)                465869.93
 3727325.36        0.01077  (16122824)
       465435.67   3727563.88        0.00833c (16112824)                467713.10
 3728549.23        0.02568  (14121024)
       467727.24   3728531.67        0.02539  (14121024)                467767.25
 3728485.80        0.02447  (14121024)
       467883.86   3728459.94        0.02281  (14121024)                467937.53
 3728394.57        0.02145  (14121024)
       467632.38   3728834.83        0.04121c (16122224)                467512.74
 3728910.54        0.05007c (16122224)
       467323.00   3729060.09        0.06649c (16122224)                467881.30
 3728691.21        0.03031c (16121524)
       467806.52   3728944.51        0.03988c (16122224)                467789.70
 3728984.70        0.04251c (16122224)
       467873.82   3729225.85        0.04571c (16122224)                467875.69
 3729123.04        0.04481c (16122224)
       468020.59   3728487.01        0.02200c (16121524)                468021.34
 3728204.18        0.01633  (14121024)
       466451.35   3728209.31        0.02321  (14122524)                466461.97
 3728188.71        0.02292  (14122524)
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:58:39

                                  PAGE  33
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST 24-HR
RESULTS ***


                                   ** CONC OF PM_2.5   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       0.24071c ON 16122224: AT (  466852.83,
3728807.35,   394.66,   635.00,    0.00)  DC

 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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            2 Warning Message(s)
 A Total of         1763 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          884 Calm Hours Identified

 A Total of          879 Missing Hours Identified (  2.00 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     469       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     469       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
** Lakes Environmental AERMOD MPI
**
***************************************
**

```
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2025
** File: C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\Operational LSTs
CO -05\Operational LSTs CO -05.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\15852 Baker
   MODELOPT CONC FLAT ELEV
   AVERTIME 1 8
   URBANOPT 2189641 County_of_Riverside
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "Operational LSTs CO -05.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     466054.865  3729318.431      390.160
   LOCATION VOL2         VOLUME     466115.133  3729178.529      390.300
   LOCATION VOL3         VOLUME     466139.885  3729409.370      388.320
   LOCATION VOL4         VOLUME     466279.789  3729398.609      384.750
   LOCATION VOL5         VOLUME     466194.233  3729270.005      387.290
   LOCATION VOL6         VOLUME     466255.037  3729130.101      394.170
   LOCATION VOL7         VOLUME     466333.599  3729270.005      385.000
   LOCATION VOL8         VOLUME     466394.941  3729130.101      390.320
   LOCATION VOL9         VOLUME     466312.075  3728990.197      407.410
   LOCATION VOL10        VOLUME     466535.383  3729128.486      389.000
   LOCATION VOL11        VOLUME     466451.979  3728990.197      399.070
   LOCATION VOL12        VOLUME     466591.345  3728989.658      389.950
   LOCATION VOL13        VOLUME     466396.017  3729198.976      386.900
   LOCATION VOL14        VOLUME     466730.172  3728916.478      389.760
   LOCATION VOL15        VOLUME     466728.020  3728656.041      395.000
   LOCATION VOL16        VOLUME     466809.810  3728687.251      391.970
```

```
   LOCATION VOL17        VOLUME     466457.898  3728851.907      399.150
   LOCATION VOL18        VOLUME     466597.264  3728850.293      410.100
   LOCATION VOL19        VOLUME     466728.558  3728795.407      390.450
   LOCATION VOL20        VOLUME     466589.192  3728710.927      399.980
   LOCATION VOL21        VOLUME     466912.586  3728607.075      410.590
   LOCATION VOL22        VOLUME     466814.653  3728551.651      417.960
** Source Parameters **
   SRCPARAM VOL1         0.03150829     5.000    32.286     1.400
   SRCPARAM VOL2         0.03150829     5.000    32.286     1.400
   SRCPARAM VOL3         0.03150829     5.000    32.286     1.400
   SRCPARAM VOL4         0.03150829     5.000    32.286     1.400
   SRCPARAM VOL5         0.03150829     5.000    32.286     1.400
   SRCPARAM VOL6         0.03150829     5.000    32.286     1.400
   SRCPARAM VOL7         0.03150829     5.000    32.286     1.400
   SRCPARAM VOL8         0.03150829     5.000    32.286     1.400
   SRCPARAM VOL9         0.03150829     5.000    32.286     1.400
   SRCPARAM VOL10        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL11        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL12        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL13        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL14        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL15        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL16        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL17        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL18        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL19        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL20        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL21        0.03150829     5.000    32.286     1.400
   SRCPARAM VOL22        0.03150829     5.000    32.286     1.400
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Operational LSTs CO -05.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ELSI_V9_ADJU\ELSI_v9.SFC
   PROFFILE ELSI_V9_ADJU\ELSI_v9.PFL
```

```
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 406.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OPERATIONAL LSTS CO -05.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "OPERATIONAL LSTS CO -05.AD\08H1GALL.PLT" 32
   SUMMFILE "Operational LSTs CO -05.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     107       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     107       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:38:05
```

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- - - -

```
 **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) =   406.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Operational LSTs CO -05.err

 **File for Summary of Results:   Operational LSTs CO -05.sum

 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:38:05

                                  PAGE   2
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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   0.31508E-01  466054.9 3729318.4   390.2     5.00    32.29
1.40     YES                    NO
 VOL2            0   0.31508E-01  466115.1 3729178.5   390.3     5.00    32.29
1.40     YES                    NO
 VOL3            0   0.31508E-01  466139.9 3729409.4   388.3     5.00    32.29
1.40     YES                    NO
 VOL4            0   0.31508E-01  466279.8 3729398.6   384.8     5.00    32.29
1.40     YES                    NO
 VOL5            0   0.31508E-01  466194.2 3729270.0   387.3     5.00    32.29
1.40     YES                    NO
 VOL6            0   0.31508E-01  466255.0 3729130.1   394.2     5.00    32.29
1.40     YES                    NO
 VOL7            0   0.31508E-01  466333.6 3729270.0   385.0     5.00    32.29
1.40     YES                    NO
 VOL8            0   0.31508E-01  466394.9 3729130.1   390.3     5.00    32.29
1.40     YES                    NO
 VOL9            0   0.31508E-01  466312.1 3728990.2   407.4     5.00    32.29
1.40     YES                    NO
 VOL10           0   0.31508E-01  466535.4 3729128.5   389.0     5.00    32.29
1.40     YES                    NO
 VOL11           0   0.31508E-01  466452.0 3728990.2   399.1     5.00    32.29
1.40     YES                    NO
 VOL12           0   0.31508E-01  466591.3 3728989.7   389.9     5.00    32.29
1.40     YES                    NO
 VOL13           0   0.31508E-01  466396.0 3729199.0   386.9     5.00    32.29
1.40     YES                    NO
 VOL14           0   0.31508E-01  466730.2 3728916.5   389.8     5.00    32.29
1.40     YES                    NO
 VOL15           0   0.31508E-01  466728.0 3728656.0   395.0     5.00    32.29
1.40     YES                    NO
 VOL16           0   0.31508E-01  466809.8 3728687.3   392.0     5.00    32.29
1.40     YES                    NO
 VOL17           0   0.31508E-01  466457.9 3728851.9   399.2     5.00    32.29
1.40     YES                    NO
 VOL18           0   0.31508E-01  466597.3 3728850.3   410.1     5.00    32.29
1.40     YES                    NO
 VOL19           0   0.31508E-01  466728.6 3728795.4   390.4     5.00    32.29
1.40     YES                    NO
 VOL20           0   0.31508E-01  466589.2 3728710.9   400.0     5.00    32.29
1.40     YES                    NO
 VOL21           0   0.31508E-01  466912.6 3728607.1   410.6     5.00    32.29
1.40     YES                    NO
 VOL22           0   0.31508E-01  466814.7 3728551.7   418.0     5.00    32.29
1.40     YES                    NO
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:38:05
```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|
| ALL | VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , |
| | VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , |
| | VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , |



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

| URBAN ID | URBAN POP | SOURCE IDs |
|---|---|---|
| | 2189641. | VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , |
| | | VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , |
| | | VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , |

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 465958.2, 3729269.9, 392.7, 1408.0, 0.0); ( 466852.8, 3728807.3, 394.7, 635.0, 0.0);
( 465755.9, 3729010.3, 400.1, 1408.0, 0.0); ( 466029.8, 3728618.5, 465.5, 465.5, 0.0);
( 466326.2, 3728404.4, 404.1, 1313.0, 0.0); ( 466651.8, 3728102.8, 416.5, 416.5, 0.0);
( 466620.5, 3728094.4, 415.9, 415.9, 0.0); ( 466715.7, 3728045.5, 401.1, 453.0, 0.0);
( 466849.2, 3728002.4, 392.5, 442.0, 0.0); ( 466886.3, 3728009.6, 393.1, 442.0, 0.0);
( 466784.6, 3728067.0, 400.6, 439.0, 0.0); ( 467154.5, 3728238.1, 410.6, 442.0, 0.0);
( 467151.8, 3728336.1, 412.7, 442.0, 0.0); ( 467095.6, 3729260.4, 388.1, 635.0, 0.0);
( 467193.6, 3729161.4, 382.0, 635.0, 0.0); ( 466701.0, 3729639.0, 394.0, 674.0, 0.0);
( 466711.3, 3729684.2, 400.6, 674.0, 0.0); ( 465908.6, 3729208.5, 392.9, 1408.0, 0.0);
( 467033.5, 3729844.0, 395.7, 674.0, 0.0); ( 466935.5, 3729846.8, 397.7, 674.0, 0.0);
( 466031.9, 3728472.8, 477.3, 478.0, 0.0); ( 467387.6, 3729299.4, 401.0, 635.0, 0.0);
( 467617.4, 3729280.2, 402.9, 635.0, 0.0); ( 467474.9, 3729206.5, 398.5, 635.0, 0.0);
( 467637.4, 3729084.0, 395.7, 635.0, 0.0); ( 464714.8, 3730025.5, 414.1, 1408.0, 0.0);
( 464677.7, 3729887.8, 427.8, 1408.0, 0.0); ( 465869.9, 3727325.4, 392.8, 1408.0, 0.0);
( 465435.7, 3727563.9, 399.8, 1408.0, 0.0); ( 467713.1, 3728549.2, 382.0, 635.0, 0.0);
( 467727.2, 3728531.7, 382.1, 635.0, 0.0); ( 467767.2, 3728485.8, 382.9, 635.0, 0.0);
( 467883.9, 3728459.9, 386.0, 635.0, 0.0); ( 467937.5, 3728394.6, 387.0, 635.0, 0.0);
( 467632.4, 3728834.8, 383.8, 635.0, 0.0); ( 467512.7, 3728910.5, 383.4, 635.0, 0.0);
( 467323.0, 3729060.1, 382.6, 635.0, 0.0); ( 467881.3, 3728691.2, 389.8, 635.0, 0.0);
( 467806.5, 3728944.5, 395.6, 635.0, 0.0); ( 467789.7, 3728984.7, 396.6, 635.0, 0.0);
( 467873.8, 3729225.8, 404.5, 635.0, 0.0); ( 467875.7, 3729123.0, 402.3, 635.0, 0.0);
( 468020.6, 3728487.0, 389.0, 635.0, 0.0); ( 468021.3,

3728204.2,     387.4,     387.4,       0.0);
     ( 466451.3, 3728209.3,     413.1,    1313.0,       0.0);         ( 466462.0,
3728188.7,     413.2,    1313.0,       0.0);


                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.



                                     *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                          (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,
10.80,

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ELSI_V9_ADJU\ELSI_v9.SFC
Met Version: 16216
Profile file: ELSI_V9_ADJU\ELSI_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O LEN | Z0 | BOWEN | ALBEDO | REF WS | WD | HT | REF TA | HT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 01 | 01 | 1 | 01 | -1.3 | 0.065 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 78. | 9.1 | 284.2 | 5.5 |
| 12 | 01 | 01 | 1 | 02 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 69. | 9.1 | 283.8 | 5.5 |
| 12 | 01 | 01 | 1 | 03 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 286. | 9.1 | 282.5 | 5.5 |
| 12 | 01 | 01 | 1 | 04 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 348. | 9.1 | 282.5 | 5.5 |
| 12 | 01 | 01 | 1 | 05 | -1.3 | 0.066 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 17. | 9.1 | 282.0 | 5.5 |
| 12 | 01 | 01 | 1 | 06 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 161. | 9.1 | 282.0 | 5.5 |
| 12 | 01 | 01 | 1 | 07 | -1.3 | 0.066 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 273. | 9.1 | 282.0 | 5.5 |
| 12 | 01 | 01 | 1 | 08 | -3.6 | 0.091 | -9.000 | -9.000 | -999. | 66. | 18.3 | 0.23 | 2.69 | 0.54 | 0.90 | 113. | 9.1 | 283.8 | 5.5 |
| 12 | 01 | 01 | 1 | 09 | 39.6 | 0.087 | 0.358 | 0.016 | 40. | 61. | -1.4 | 0.23 | 2.69 | 0.33 | 0.40 | 336. | 9.1 | 285.9 | 5.5 |
| 12 | 01 | 01 | 1 | 10 | 110.7 | 0.206 | 0.740 | 0.007 | 127. | 225. | -6.9 | 0.23 | 2.69 | 0.25 | 1.30 | 158. | 9.1 | 291.4 | 5.5 |
| 12 | 01 | 01 | 1 | 11 | 161.7 | 0.105 | 1.203 | 0.005 | 374. | 87. | -1.0 | 0.23 | 2.69 | 0.23 | 0.40 | 33. | 9.1 | 297.0 | 5.5 |
| 12 | 01 | 01 | 1 | 12 | 185.5 | 0.271 | 1.535 | 0.005 | 676. | 339. | -9.3 | 0.23 | 2.69 | 0.22 | 1.80 | 313. | 9.1 | 298.8 | 5.5 |
| 12 | 01 | 01 | 1 | 13 | 183.9 | 0.219 | 1.828 | 0.005 | 1154. | 247. | -4.9 | 0.23 | 2.69 | 0.22 | 1.30 | 250. | 9.1 | 300.4 | 5.5 |
| 12 | 01 | 01 | 1 | 14 | 156.6 | 0.266 | 1.869 | 0.005 | 1446. | 330. | -10.4 | 0.23 | 2.69 | 0.23 | 1.80 | 217. | 9.1 | 301.4 | 5.5 |
| 12 | 01 | 01 | 1 | 15 | 104.7 | 0.256 | 1.677 | 0.005 | 1562. | 311. | -13.8 | 0.23 | 2.69 | | | | | | |

```
0.27    1.80  248.    9.1  302.0    5.5
 12 01 01   1 16   32.7  0.319  1.147  0.005 1596.  433.    -85.9  0.23   2.69
0.36    2.70  235.    9.1  302.0    5.5
 12 01 01   1 17  -15.5  0.190 -9.000 -9.000 -999.  208.     39.6  0.23   2.69
0.63    1.80   46.    9.1  299.2    5.5
 12 01 01   1 18   -4.1  0.092 -9.000 -9.000 -999.   73.     16.2  0.23   2.69
1.00    0.90  107.    9.1  294.9    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.23   2.69
1.00  999.00  999.   -9.0  292.5    5.5
 12 01 01   1 20   -4.2  0.092 -9.000 -9.000 -999.   67.     16.1  0.23   2.69
1.00    0.90  323.    9.1  290.4    5.5
 12 01 01   1 21   -8.8  0.133 -9.000 -9.000 -999.  116.     23.2  0.23   2.69
1.00    1.30   34.    9.1  287.5    5.5
 12 01 01   1 22   -1.3  0.065 -9.000 -9.000 -999.   41.     18.1  0.23   2.69
1.00    0.40  359.    9.1  286.4    5.5
 12 01 01   1 23   -1.3  0.065 -9.000 -9.000 -999.   40.     18.1  0.23   2.69
1.00    0.40  351.    9.1  285.4    5.5
 12 01 01   1 24   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   11.    9.1  284.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   284.3   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   78.    0.40  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:38:05

                                  PAGE   8
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF CO       IN MICROGRAMS/M**3
                  **
```

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 465958.17 | 3729269.92 | 21.10491 | (15051418) | 466852.83 | 3728807.35 | 23.69983 | (14113016) |
| 465755.92 | 3729010.35 | 9.52016 | (13082904) | 466029.84 | 3728618.52 | 7.46481 | (12081202) |
| 466326.18 | 3728404.41 | 8.78291 | (15101221) | 466651.83 | 3728102.77 | 10.96231 | (15082801) |
| 466620.50 | 3728094.43 | 10.53656 | (13090623) | 466715.74 | 3728045.55 | 6.10231 | (16093019) |
| 466849.18 | 3728002.38 | 4.14694 | (13041207) | 466886.31 | 3728009.62 | 4.36646 | (13041207) |
| 466784.58 | 3728066.96 | 6.50666 | (15092021) | 467154.51 | 3728238.13 | 13.88260 | (16061921) |
| 467151.79 | 3728336.11 | 16.30362 | (12110519) | 467095.65 | 3729260.36 | 4.56646 | (13062706) |
| 467193.61 | 3729161.45 | 4.15264 | (13062706) | 466700.99 | 3729639.01 | 5.90345 | (12081219) |
| 466711.35 | 3729684.22 | 7.81088 | (12091019) | 465908.60 | 3729208.50 | 12.71133 | (15051418) |
| 467033.50 | 3729843.96 | 4.10701 | (12081219) | 466935.45 | 3729846.80 | 4.84587 | (12081219) |
| 466031.91 | 3728472.80 | 6.81998 | (15091022) | 467387.60 | 3729299.39 | 5.60745 | (15043019) |
| 467617.42 | 3729280.17 | 4.90344 | (15091719) | 467474.88 | 3729206.50 | 4.78990 | (13090320) |
| 467637.44 | 3729083.98 | 3.58623 | (13091419) | 464714.77 | 3730025.47 | 6.51427 | (15100920) |
| 464677.74 | 3729887.77 | 8.21654 | (13051321) | 465869.93 | 3727325.36 | 1.33000 | (12081519) |
| 465435.67 | 3727563.88 | 2.52184 | (13082905) | 467713.10 | 3728549.23 | 2.24458 | (16020117) |
| 467727.24 | 3728531.67 | 2.26058 | (16020117) | 467767.25 | 3728485.80 | 2.27644 | (16020117) |
| 467883.86 | 3728459.94 | 1.94042 | (16020117) | 467937.53 | 3728394.57 | 1.95385 | (16020117) |
| 467632.38 | 3728834.83 | 2.16385 | (13062706) | 467512.74 | 3728910.54 | 2.61093 | (13062706) |
| 467323.00 | 3729060.09 | 3.48773 | (13062706) | 467881.30 | 3728691.21 | 1.73764 | (12071220) |
| 467806.52 | 3728944.51 | 3.05667 | (15102718) | 467789.70 | 3728984.70 | 3.38823 | (15082920) |
| 467873.82 | 3729225.85 | 4.48469 | (15102618) | 467875.69 | 3729123.04 | 4.22166 | (14091419) |
| 468020.59 | 3728487.01 | 1.51087 | (12102719) | 468021.34 | 3728204.18 | 1.91549 | (16020117) |
| 466451.35 | 3728209.31 | 9.76395 | (15101221) | 466461.97 | | | |

 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF CO       IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - -

*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

| GROUP ID | AVERAGE | CONC | DATE (YYMMDDHH) | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | OF TYPE | GRID-ID |
|---|---|---|---|---|---|---|

ALL HIGH 1ST HIGH VALUE IS 23.69983 ON 14113016: AT ( 466852.83, 3728807.35, 394.66, 635.00, 0.00) DC

*** THE SUMMARY OF HIGHEST  8-HR RESULTS ***

** CONC OF CO       IN MICROGRAMS/M**3 **

| GROUP ID | AVERAGE | NETWORK CONC OF TYPE | DATE (YYMMDDHH) | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | NETWORK GRID-ID |
|---|---|---|---|---|---|
| ALL | HIGH 1ST HIGH | VALUE IS 18.00337c | ON 14112608: | AT ( 466852.83, 3728807.35, 394.66, 635.00, 0.00) | DC |



*** Message Summary : AERMOD Model Execution ***

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

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of         1763 Informational Message(s)

```
 A Total of        43848 Hours Were Processed

 A Total of          884 Calm Hours Identified

 A Total of          879 Missing Hours Identified (  2.00 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     107       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     107       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
** Lakes Environmental AERMOD MPI
**
*****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2025
** File: C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\Operational LSTs
NOX -05\Operational LSTs NOX -05.ADI
**
*****************************************
**
**
*****************************************
** AERMOD Control Pathway
*****************************************
**
**
CO STARTING
   TITLEONE C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\15852 Baker
   MODELOPT CONC FLAT ELEV
   AVERTIME 1
   URBANOPT 2189641 County_of_Riverside
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "Operational LSTs NOX -05.err"
CO FINISHED
```

```
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     466054.865  3729318.431      390.160
   LOCATION VOL2         VOLUME     466115.133  3729178.529      390.300
   LOCATION VOL3         VOLUME     466139.885  3729409.370      388.320
   LOCATION VOL4         VOLUME     466279.789  3729398.609      384.750
   LOCATION VOL5         VOLUME     466194.233  3729270.005      387.290
   LOCATION VOL6         VOLUME     466255.037  3729130.101      394.170
   LOCATION VOL7         VOLUME     466333.599  3729270.005      385.000
   LOCATION VOL8         VOLUME     466394.941  3729130.101      390.320
   LOCATION VOL9         VOLUME     466312.075  3728990.197      407.410
   LOCATION VOL10        VOLUME     466535.383  3729128.486      389.000
   LOCATION VOL11        VOLUME     466451.979  3728990.197      399.070
   LOCATION VOL12        VOLUME     466591.345  3728989.658      389.950
   LOCATION VOL13        VOLUME     466396.017  3729198.976      386.900
   LOCATION VOL14        VOLUME     466730.172  3728916.478      389.760
   LOCATION VOL15        VOLUME     466728.020  3728656.041      395.000
   LOCATION VOL16        VOLUME     466809.810  3728687.251      391.970
   LOCATION VOL17        VOLUME     466457.898  3728851.907      399.150
   LOCATION VOL18        VOLUME     466597.264  3728850.293      410.100
   LOCATION VOL19        VOLUME     466728.558  3728795.407      390.450
   LOCATION VOL20        VOLUME     466589.192  3728710.927      399.980
   LOCATION VOL21        VOLUME     466912.586  3728607.075      410.590
   LOCATION VOL22        VOLUME     466814.653  3728551.651      417.960
** Source Parameters **
   SRCPARAM VOL1         0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL2         0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL3         0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL4         0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL5         0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL6         0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL7         0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL8         0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL9         0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL10        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL11        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL12        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL13        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL14        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL15        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL16        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL17        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL18        0.0076203518     5.000    32.286     1.400
```

```
   SRCPARAM VOL19        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL20        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL21        0.0076203518     5.000    32.286     1.400
   SRCPARAM VOL22        0.0076203518     5.000    32.286     1.400
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "Operational LSTs NOX -05.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE ELSI_V9_ADJU\ELSI_v9.SFC
   PROFFILE ELSI_V9_ADJU\ELSI_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 406.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OPERATIONAL LSTS NOX -05.AD\01H1GALL.PLT" 31
   SUMMFILE "Operational LSTs NOX -05.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     107       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     107       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                         ***        15:41:11

                                    PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 ** Model Options Selected:
      * Model Allows User-Specified 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.
      * Allow FLAT/ELEV Terrain Option by Source,
        with      0 FLAT and     22 ELEV Source(s).
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for    22 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  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: NOX

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

 **This Run Includes:     22 Source(s);       1 Source Group(s); and      46
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     22 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of 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) =   406.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out
```

*** MODELOPTs:  NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER EMISSION RATE PART. SCALAR VARY BY CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | AIRCRAFT |
|---|---|---|---|---|---|---|---|---|---|---|
| VOL1 | 0 | 0.76204E-02 | 466054.9 | 3729318.4 | 390.2 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL2 | 0 | 0.76204E-02 | 466115.1 | 3729178.5 | 390.3 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL3 | 0 | 0.76204E-02 | 466139.9 | 3729409.4 | 388.3 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL4 | 0 | 0.76204E-02 | 466279.8 | 3729398.6 | 384.8 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL5 | 0 | 0.76204E-02 | 466194.2 | 3729270.0 | 387.3 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL6 | 0 | 0.76204E-02 | 466255.0 | 3729130.1 | 394.2 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL7 | 0 | 0.76204E-02 | 466333.6 | 3729270.0 | 385.0 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL8 | 0 | 0.76204E-02 | 466394.9 | 3729130.1 | 390.3 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL9 | 0 | 0.76204E-02 | 466312.1 | 3728990.2 | 407.4 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL10 | 0 | 0.76204E-02 | 466535.4 | 3729128.5 | 389.0 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL11 | 0 | 0.76204E-02 | 466452.0 | 3728990.2 | 399.1 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL12 | 0 | 0.76204E-02 | 466591.3 | 3728989.7 | 389.9 | 5.00 | 32.29 | 1.40 | YES | NO |
| VOL13 | 0 | 0.76204E-02 | 466396.0 | 3729199.0 | 386.9 | 5.00 | 32.29 | | | |

```
1.40     YES                    NO
 VOL14           0   0.76204E-02  466730.2 3728916.5   389.8     5.00    32.29
1.40     YES                    NO
 VOL15           0   0.76204E-02  466728.0 3728656.0   395.0     5.00    32.29
1.40     YES                    NO
 VOL16           0   0.76204E-02  466809.8 3728687.3   392.0     5.00    32.29
1.40     YES                    NO
 VOL17           0   0.76204E-02  466457.9 3728851.9   399.2     5.00    32.29
1.40     YES                    NO
 VOL18           0   0.76204E-02  466597.3 3728850.3   410.1     5.00    32.29
1.40     YES                    NO
 VOL19           0   0.76204E-02  466728.6 3728795.4   390.4     5.00    32.29
1.40     YES                    NO
 VOL20           0   0.76204E-02  466589.2 3728710.9   400.0     5.00    32.29
1.40     YES                    NO
 VOL21           0   0.76204E-02  466912.6 3728607.1   410.6     5.00    32.29
1.40     YES                    NO
 VOL22           0   0.76204E-02  466814.7 3728551.7   418.0     5.00    32.29
1.40     YES                    NO
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:41:11

                                  PAGE   3
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

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


  ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
VOL6        , VOL7        , VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
VOL22       ,
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                        ***       15:41:11

                                  PAGE   4
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*
```

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

| URBAN ID | URBAN POP | SOURCE IDs |
|---|---|---|
| | 2189641. | VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , |
| | | VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , |
| | | VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , |



*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 465958.2, 3729269.9, 392.7, 1408.0, 0.0); ( 466852.8, 3728807.3, 394.7, 635.0, 0.0);
( 465755.9, 3729010.3, 400.1, 1408.0, 0.0); ( 466029.8, 3728618.5, 465.5, 465.5, 0.0);
( 466326.2, 3728404.4, 404.1, 1313.0, 0.0); ( 466651.8, 3728102.8, 416.5, 416.5, 0.0);
( 466620.5, 3728094.4, 415.9, 415.9, 0.0); ( 466715.7, 3728045.5, 401.1, 453.0, 0.0);
( 466849.2, 3728002.4, 392.5, 442.0, 0.0); ( 466886.3, 3728009.6, 393.1, 442.0, 0.0);
( 466784.6, 3728067.0, 400.6, 439.0, 0.0); ( 467154.5, 3728238.1, 410.6, 442.0, 0.0);
( 467151.8, 3728336.1, 412.7, 442.0, 0.0); ( 467095.6, 3729260.4, 388.1, 635.0, 0.0);
( 467193.6, 3729161.4, 382.0, 635.0, 0.0); ( 466701.0, 3729639.0, 394.0, 674.0, 0.0);
( 466711.3, 3729684.2, 400.6, 674.0, 0.0); ( 465908.6, 3729208.5, 392.9, 1408.0, 0.0);
( 467033.5, 3729844.0, 395.7, 674.0, 0.0); ( 466935.5, 3729846.8, 397.7, 674.0, 0.0);

*** MODELOPTs:  NonDFAULT  CONC  FLAT and  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

```
 12 01 01   1 04   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  348.    9.1  282.5    5.5
 12 01 01   1 05   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40   17.    9.1  282.0    5.5
 12 01 01   1 06   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  161.    9.1  282.0    5.5
 12 01 01   1 07   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40  273.    9.1  282.0    5.5
 12 01 01   1 08   -3.6  0.091 -9.000 -9.000 -999.   66.     18.3  0.23   2.69
0.54    0.90  113.    9.1  283.8    5.5
 12 01 01   1 09   39.6  0.087  0.358  0.016   40.   61.     -1.4  0.23   2.69
0.33    0.40  336.    9.1  285.9    5.5
 12 01 01   1 10  110.7  0.206  0.740  0.007  127.  225.     -6.9  0.23   2.69
0.25    1.30  158.    9.1  291.4    5.5
 12 01 01   1 11  161.7  0.105  1.203  0.005  374.   87.     -1.0  0.23   2.69
0.23    0.40   33.    9.1  297.0    5.5
 12 01 01   1 12  185.5  0.271  1.535  0.005  676.  339.     -9.3  0.23   2.69
0.22    1.80  313.    9.1  298.8    5.5
 12 01 01   1 13  183.9  0.219  1.828  0.005 1154.  247.     -4.9  0.23   2.69
0.22    1.30  250.    9.1  300.4    5.5
 12 01 01   1 14  156.6  0.266  1.869  0.005 1446.  330.    -10.4  0.23   2.69
0.23    1.80  217.    9.1  301.4    5.5
 12 01 01   1 15  104.7  0.256  1.677  0.005 1562.  311.    -13.8  0.23   2.69
0.27    1.80  248.    9.1  302.0    5.5
 12 01 01   1 16   32.7  0.319  1.147  0.005 1596.  433.    -85.9  0.23   2.69
0.36    2.70  235.    9.1  302.0    5.5
 12 01 01   1 17  -15.5  0.190 -9.000 -9.000 -999.  208.     39.6  0.23   2.69
0.63    1.80   46.    9.1  299.2    5.5
 12 01 01   1 18   -4.1  0.092 -9.000 -9.000 -999.   73.     16.2  0.23   2.69
1.00    0.90  107.    9.1  294.9    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.23   2.69
1.00  999.00  999.   -9.0  292.5    5.5
 12 01 01   1 20   -4.2  0.092 -9.000 -9.000 -999.   67.     16.1  0.23   2.69
1.00    0.90  323.    9.1  290.4    5.5
 12 01 01   1 21   -8.8  0.133 -9.000 -9.000 -999.  116.     23.2  0.23   2.69
1.00    1.30   34.    9.1  287.5    5.5
 12 01 01   1 22   -1.3  0.065 -9.000 -9.000 -999.   41.     18.1  0.23   2.69
1.00    0.40  359.    9.1  286.4    5.5
 12 01 01   1 23   -1.3  0.065 -9.000 -9.000 -999.   40.     18.1  0.23   2.69
1.00    0.40  351.    9.1  285.4    5.5
 12 01 01   1 24   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   11.    9.1  284.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   284.3   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   78.    0.40  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: NonDFAULT CONC FLAT and 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 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) | X-COORD (M) | Y-COORD (M) | CONC | (YYMMDDHH) |
|---|---|---|---|---|---|---|---|
| 465958.17 | 3729269.92 | 5.10427 | (15051418) | 466852.83 | 3728807.35 | 5.73186 | (14113016) |
| 465755.92 | 3729010.35 | 2.30247 | (13082904) | 466029.84 | 3728618.52 | 1.80538 | (12081202) |
| 466326.18 | 3728404.41 | 2.12417 | (15101221) | 466651.83 | 3728102.77 | 2.65126 | (15082801) |
| 466620.50 | 3728094.43 | 2.54829 | (13090623) | 466715.74 | 3728045.55 | 1.47586 | (16093019) |
| 466849.18 | 3728002.38 | 1.00295 | (13041207) | 466886.31 | 3728009.62 | 1.05604 | (13041207) |
| 466784.58 | 3728066.96 | 1.57365 | (15092021) | 467154.51 | 3728238.13 | 3.35754 | (16061921) |
| 467151.79 | 3728336.11 | 3.94307 | (12110519) | 467095.65 | 3729260.36 | 1.10441 | (13062706) |
| 467193.61 | 3729161.45 | 1.00433 | (13062706) | 466700.99 | 3729639.01 | 1.42776 | (12081219) |
| 466711.35 | 3729684.22 | 1.88908 | (12091019) | 465908.60 | 3729208.50 | 3.07427 | (15051418) |
| 467033.50 | 3729843.96 | 0.99329 | (12081219) | 466935.45 | 3729846.80 | 1.17198 | (12081219) |
| 466031.91 | 3728472.80 | 1.64943 | (15091022) | 467387.60 | 3729299.39 | 1.35617 | (15043019) |

```
       467617.42   3729280.17        1.18591  (15091719)                467474.88
 3729206.50        1.15845  (13090320)
       467637.44   3729083.98        0.86734  (13091419)                464714.77
 3730025.47        1.57549  (15100920)
       464677.74   3729887.77        1.98719  (13051321)                465869.93
 3727325.36        0.32166  (12081519)
       465435.67   3727563.88        0.60991  (13082905)                467713.10
 3728549.23        0.54286  (16020117)
       467727.24   3728531.67        0.54673  (16020117)                467767.25
 3728485.80        0.55056  (16020117)
       467883.86   3728459.94        0.46929  (16020117)                467937.53
 3728394.57        0.47254  (16020117)
       467632.38   3728834.83        0.52333  (13062706)                467512.74
 3728910.54        0.63146  (13062706)
       467323.00   3729060.09        0.84352  (13062706)                467881.30
 3728691.21        0.42025  (12071220)
       467806.52   3728944.51        0.73926  (15102718)                467789.70
 3728984.70        0.81945  (15082920)
       467873.82   3729225.85        1.08463  (15102618)                467875.69
 3729123.04        1.02102  (14091419)
       468020.59   3728487.01        0.36541  (12102719)                468021.34
 3728204.18        0.46326  (16020117)
       466451.35   3728209.31        2.36143  (15101221)                466461.97
 3728188.71        2.33366  (15081502)
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:41:11

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 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                  ** CONC OF NOX      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       5.73186  ON 14113016: AT (  466852.83,
3728807.35,   394.66,   635.00,    0.00)  DC
```

 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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            2 Warning Message(s)
 A Total of         1763 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          884 Calm Hours Identified

 A Total of          879 Missing Hours Identified (  2.00 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     107       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     107       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
** Lakes Environmental AERMOD MPI
**
*****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2025
** File: C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\Operational LSTs PM10 -05\Operational LSTs PM10 -05.ADI

```
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\15852 Baker
   MODELOPT CONC FLAT ELEV
   AVERTIME 24
   URBANOPT 2189641 County_of_Riverside
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "Operational LSTs PM10 -05.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     466054.865  3729318.431      390.160
   LOCATION VOL2         VOLUME     466115.133  3729178.529      390.300
   LOCATION VOL3         VOLUME     466139.885  3729409.370      388.320
   LOCATION VOL4         VOLUME     466279.789  3729398.609      384.750
   LOCATION VOL5         VOLUME     466194.233  3729270.005      387.290
   LOCATION VOL6         VOLUME     466255.037  3729130.101      394.170
   LOCATION VOL7         VOLUME     466333.599  3729270.005      385.000
   LOCATION VOL8         VOLUME     466394.941  3729130.101      390.320
   LOCATION VOL9         VOLUME     466312.075  3728990.197      407.410
   LOCATION VOL10        VOLUME     466535.383  3729128.486      389.000
   LOCATION VOL11        VOLUME     466451.979  3728990.197      399.070
   LOCATION VOL12        VOLUME     466591.345  3728989.658      389.950
   LOCATION VOL13        VOLUME     466396.017  3729198.976      386.900
   LOCATION VOL14        VOLUME     466730.172  3728916.478      389.760
   LOCATION VOL15        VOLUME     466728.020  3728656.041      395.000
   LOCATION VOL16        VOLUME     466809.810  3728687.251      391.970
   LOCATION VOL17        VOLUME     466457.898  3728851.907      399.150
   LOCATION VOL18        VOLUME     466597.264  3728850.293      410.100
   LOCATION VOL19        VOLUME     466728.558  3728795.407      390.450
   LOCATION VOL20        VOLUME     466589.192  3728710.927      399.980
   LOCATION VOL21        VOLUME     466912.586  3728607.075      410.590
   LOCATION VOL22        VOLUME     466814.653  3728551.651      417.960
```

```
** Source Parameters **
   SRCPARAM VOL1         0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL2         0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL3         0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL4         0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL5         0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL6         0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL7         0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL8         0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL9         0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL10        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL11        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL12        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL13        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL14        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL15        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL16        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL17        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL18        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL19        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL20        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL21        0.0005140714     5.000    32.286     1.400
   SRCPARAM VOL22        0.0005140714     5.000    32.286     1.400
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Operational LSTs PM10 -05.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ELSI_V9_ADJU\ELSI_v9.SFC
   PROFFILE ELSI_V9_ADJU\ELSI_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 406.0 METERS
ME FINISHED
**
```

```
************************************
** AERMOD Output Pathway
************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "OPERATIONAL LSTS PM10 -05.AD\24H1GALL.PLT" 31
   SUMMFILE "Operational LSTs PM10 -05.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     107       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     107       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:44:50

                                   PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

```
 ** Model Options Selected:
      * Model Allows User-Specified 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.
      * Allow FLAT/ELEV Terrain Option by Source,
        with      0 FLAT and     22 ELEV Source(s).
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for    22 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  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: PM_10

 **Model Calculates  1 Short Term Average(s) of:  24-HR

 **This Run Includes:     22 Source(s);       1 Source Group(s); and      46
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     22 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of 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) =   406.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Operational LSTs PM10 -05.err

 **File for Summary of Results:   Operational LSTs PM10 -05.sum

 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:44:50

                                  PAGE   2
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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   0.51407E-03  466054.9 3729318.4   390.2     5.00    32.29
1.40     YES                   NO
 VOL2             0   0.51407E-03  466115.1 3729178.5   390.3     5.00    32.29
1.40     YES                   NO
 VOL3             0   0.51407E-03  466139.9 3729409.4   388.3     5.00    32.29
1.40     YES                   NO

```
 VOL4             0   0.51407E-03  466279.8 3729398.6   384.8     5.00    32.29
1.40     YES                    NO
 VOL5             0   0.51407E-03  466194.2 3729270.0   387.3     5.00    32.29
1.40     YES                    NO
 VOL6             0   0.51407E-03  466255.0 3729130.1   394.2     5.00    32.29
1.40     YES                    NO
 VOL7             0   0.51407E-03  466333.6 3729270.0   385.0     5.00    32.29
1.40     YES                    NO
 VOL8             0   0.51407E-03  466394.9 3729130.1   390.3     5.00    32.29
1.40     YES                    NO
 VOL9             0   0.51407E-03  466312.1 3728990.2   407.4     5.00    32.29
1.40     YES                    NO
 VOL10            0   0.51407E-03  466535.4 3729128.5   389.0     5.00    32.29
1.40     YES                    NO
 VOL11            0   0.51407E-03  466452.0 3728990.2   399.1     5.00    32.29
1.40     YES                    NO
 VOL12            0   0.51407E-03  466591.3 3728989.7   389.9     5.00    32.29
1.40     YES                    NO
 VOL13            0   0.51407E-03  466396.0 3729199.0   386.9     5.00    32.29
1.40     YES                    NO
 VOL14            0   0.51407E-03  466730.2 3728916.5   389.8     5.00    32.29
1.40     YES                    NO
 VOL15            0   0.51407E-03  466728.0 3728656.0   395.0     5.00    32.29
1.40     YES                    NO
 VOL16            0   0.51407E-03  466809.8 3728687.3   392.0     5.00    32.29
1.40     YES                    NO
 VOL17            0   0.51407E-03  466457.9 3728851.9   399.2     5.00    32.29
1.40     YES                    NO
 VOL18            0   0.51407E-03  466597.3 3728850.3   410.1     5.00    32.29
1.40     YES                    NO
 VOL19            0   0.51407E-03  466728.6 3728795.4   390.4     5.00    32.29
1.40     YES                    NO
 VOL20            0   0.51407E-03  466589.2 3728710.9   400.0     5.00    32.29
1.40     YES                    NO
 VOL21            0   0.51407E-03  466912.6 3728607.1   410.6     5.00    32.29
1.40     YES                    NO
 VOL22            0   0.51407E-03  466814.7 3728551.7   418.0     5.00    32.29
1.40     YES                    NO
↑ *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:44:50

                                  PAGE   3
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*


                                              *** SOURCE IDs DEFINING SOURCE GROUPS
***
```

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


  ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
VOL6        , VOL7        , VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
VOL22       ,

 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*


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

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


              2189641.   VOL1        , VOL2        , VOL3        , VOL4        ,
VOL5        , VOL6        , VOL7        ,
 VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
VOL22       ,

 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 465958.2, 3729269.9,     392.7,    1408.0,       0.0);         ( 466852.8,
```

```
3728807.3,     394.7,     635.0,       0.0);
     ( 465755.9, 3729010.3,     400.1,    1408.0,       0.0);         ( 466029.8,
3728618.5,     465.5,     465.5,       0.0);
     ( 466326.2, 3728404.4,     404.1,    1313.0,       0.0);         ( 466651.8,
3728102.8,     416.5,     416.5,       0.0);
     ( 466620.5, 3728094.4,     415.9,     415.9,       0.0);         ( 466715.7,
3728045.5,     401.1,     453.0,       0.0);
     ( 466849.2, 3728002.4,     392.5,     442.0,       0.0);         ( 466886.3,
3728009.6,     393.1,     442.0,       0.0);
     ( 466784.6, 3728067.0,     400.6,     439.0,       0.0);         ( 467154.5,
3728238.1,     410.6,     442.0,       0.0);
     ( 467151.8, 3728336.1,     412.7,     442.0,       0.0);         ( 467095.6,
3729260.4,     388.1,     635.0,       0.0);
     ( 467193.6, 3729161.4,     382.0,     635.0,       0.0);         ( 466701.0,
3729639.0,     394.0,     674.0,       0.0);
     ( 466711.3, 3729684.2,     400.6,     674.0,       0.0);         ( 465908.6,
3729208.5,     392.9,    1408.0,       0.0);
     ( 467033.5, 3729844.0,     395.7,     674.0,       0.0);         ( 466935.5,
3729846.8,     397.7,     674.0,       0.0);
     ( 466031.9, 3728472.8,     477.3,     478.0,       0.0);         ( 467387.6,
3729299.4,     401.0,     635.0,       0.0);
     ( 467617.4, 3729280.2,     402.9,     635.0,       0.0);         ( 467474.9,
3729206.5,     398.5,     635.0,       0.0);
     ( 467637.4, 3729084.0,     395.7,     635.0,       0.0);         ( 464714.8,
3730025.5,     414.1,    1408.0,       0.0);
     ( 464677.7, 3729887.8,     427.8,    1408.0,       0.0);         ( 465869.9,
3727325.4,     392.8,    1408.0,       0.0);
     ( 465435.7, 3727563.9,     399.8,    1408.0,       0.0);         ( 467713.1,
3728549.2,     382.0,     635.0,       0.0);
     ( 467727.2, 3728531.7,     382.1,     635.0,       0.0);         ( 467767.2,
3728485.8,     382.9,     635.0,       0.0);
     ( 467883.9, 3728459.9,     386.0,     635.0,       0.0);         ( 467937.5,
3728394.6,     387.0,     635.0,       0.0);
     ( 467632.4, 3728834.8,     383.8,     635.0,       0.0);         ( 467512.7,
3728910.5,     383.4,     635.0,       0.0);
     ( 467323.0, 3729060.1,     382.6,     635.0,       0.0);         ( 467881.3,
3728691.2,     389.8,     635.0,       0.0);
     ( 467806.5, 3728944.5,     395.6,     635.0,       0.0);         ( 467789.7,
3728984.7,     396.6,     635.0,       0.0);
     ( 467873.8, 3729225.8,     404.5,     635.0,       0.0);         ( 467875.7,
3729123.0,     402.3,     635.0,       0.0);
     ( 468020.6, 3728487.0,     389.0,     635.0,       0.0);         ( 468021.3,
3728204.2,     387.4,     387.4,       0.0);
     ( 466451.3, 3728209.3,     413.1,    1313.0,       0.0);         ( 466462.0,
3728188.7,     413.2,    1313.0,       0.0);
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***       15:44:50
```

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,



*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ELSI_V9_ADJU\ELSI_v9.SFC
Met Version: 16216
Profile file: ELSI_V9_ADJU\ELSI_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O LEN | Z0 | BOWEN | ALBEDO | REF WS | WD | HT | REF TA | HT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 01 | 01 | 1 | 01 | -1.3 | 0.065 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 78. | 9.1 | 284.2 | 5.5 |
| 12 | 01 | 01 | 1 | 02 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 69. | 9.1 | 283.8 | 5.5 |
| 12 | 01 | 01 | 1 | 03 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 286. | 9.1 | 282.5 | 5.5 |
| 12 | 01 | 01 | 1 | 04 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 348. | 9.1 | 282.5 | 5.5 |
| 12 | 01 | 01 | 1 | 05 | -1.3 | 0.066 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 17. | 9.1 | 282.0 | 5.5 |
| 12 | 01 | 01 | 1 | 06 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | 161. | 9.1 | 282.0 | 5.5 |
| 12 | 01 | 01 | 1 | 07 | -1.3 | 0.066 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | 273. | 9.1 | 282.0 | 5.5 |
| 12 | 01 | 01 | 1 | 08 | -3.6 | 0.091 | -9.000 | -9.000 | -999. | 66. | 18.3 | 0.23 | 2.69 | 0.54 | 0.90 | 113. | 9.1 | 283.8 | 5.5 |
| 12 | 01 | 01 | 1 | 09 | 39.6 | 0.087 | 0.358 | 0.016 | 40. | 61. | -1.4 | 0.23 | 2.69 | 0.33 | 0.40 | 336. | 9.1 | 285.9 | 5.5 |
| 12 | 01 | 01 | 1 | 10 | 110.7 | 0.206 | 0.740 | 0.007 | 127. | 225. | -6.9 | 0.23 | 2.69 | 0.25 | 1.30 | 158. | 9.1 | 291.4 | 5.5 |
| 12 | 01 | 01 | 1 | 11 | 161.7 | 0.105 | 1.203 | 0.005 | 374. | 87. | -1.0 | 0.23 | 2.69 | 0.23 | 0.40 | 33. | 9.1 | 297.0 | 5.5 |
| 12 | 01 | 01 | 1 | 12 | 185.5 | 0.271 | 1.535 | 0.005 | 676. | 339. | -9.3 | 0.23 | 2.69 | 0.22 | 1.80 | 313. | 9.1 | 298.8 | 5.5 |
| 12 | 01 | 01 | 1 | 13 | 183.9 | 0.219 | 1.828 | 0.005 | 1154. | 247. | -4.9 | 0.23 | 2.69 | 0.22 | 1.30 | 250. | 9.1 | 300.4 | 5.5 |
| 12 | 01 | 01 | 1 | 14 | 156.6 | 0.266 | 1.869 | 0.005 | 1446. | 330. | -10.4 | 0.23 | 2.69 | 0.23 | 1.80 | 217. | 9.1 | 301.4 | 5.5 |
| 12 | 01 | 01 | 1 | 15 | 104.7 | 0.256 | 1.677 | 0.005 | 1562. | 311. | -13.8 | 0.23 | 2.69 | 0.27 | 1.80 | 248. | 9.1 | 302.0 | 5.5 |
| 12 | 01 | 01 | 1 | 16 | 32.7 | 0.319 | 1.147 | 0.005 | 1596. | 433. | -85.9 | 0.23 | 2.69 | 0.36 | 2.70 | 235. | 9.1 | 302.0 | 5.5 |
| 12 | 01 | 01 | 1 | 17 | -15.5 | 0.190 | -9.000 | -9.000 | -999. | 208. | 39.6 | 0.23 | 2.69 | 0.63 | 1.80 | 46. | 9.1 | 299.2 | 5.5 |
| 12 | 01 | 01 | 1 | 18 | -4.1 | 0.092 | -9.000 | -9.000 | -999. | 73. | 16.2 | 0.23 | 2.69 | 1.00 | 0.90 | 107. | 9.1 | 294.9 | 5.5 |
| 12 | 01 | 01 | 1 | 19 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.23 | 2.69 | | | | | | |

```
1.00  999.00  999.   -9.0  292.5    5.5
 12 01 01   1 20   -4.2  0.092 -9.000 -9.000 -999.   67.     16.1  0.23   2.69
1.00    0.90  323.    9.1  290.4    5.5
 12 01 01   1 21   -8.8  0.133 -9.000 -9.000 -999.  116.     23.2  0.23   2.69
1.00    1.30   34.    9.1  287.5    5.5
 12 01 01   1 22   -1.3  0.065 -9.000 -9.000 -999.   41.     18.1  0.23   2.69
1.00    0.40  359.    9.1  286.4    5.5
 12 01 01   1 23   -1.3  0.065 -9.000 -9.000 -999.   40.     18.1  0.23   2.69
1.00    0.40  351.    9.1  285.4    5.5
 12 01 01   1 24   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   11.    9.1  284.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   284.3   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   78.    0.40  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***        15:44:50

                                  PAGE   8
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465958.17   3729269.92        0.15520c (16011524)               466852.83
 3728807.35        0.21035c (14120524)
        465755.92   3729010.35        0.04787c (15010424)               466029.84
```

3728618.52 0.05057c (15121824)
466326.18 3728404.41 0.07173 (14120824) 466651.83
3728102.77 0.08315 (14120824)
466620.50 3728094.43 0.08038 (14120824) 466715.74
3728045.55 0.04928 (14120824)
466849.18 3728002.38 0.02905b (15020724) 466886.31
3728009.62 0.02971b (15020724)
466784.58 3728066.96 0.05022 (14122724) 467154.51
3728238.13 0.09037 (13112224)
467151.79 3728336.11 0.10041 (13112224) 467095.65
3729260.36 0.04405m (16031424)
467193.61 3729161.45 0.04005m (16031424) 466700.99
3729639.01 0.05169m (16031324)
466711.35 3729684.22 0.05409 (16010624) 465908.60
3729208.50 0.10237c (16011524)
467033.50 3729843.96 0.02946m (16031324) 466935.45
3729846.80 0.03160 (16010624)
466031.91 3728472.80 0.04338c (15121824) 467387.60
3729299.39 0.03507 (15052224)
467617.42 3729280.17 0.02776 (15052224) 467474.88
3729206.50 0.02795 (15052224)
467637.44 3729083.98 0.02090c (16121524) 464714.77
3730025.47 0.01625 (16040924)
464677.74 3729887.77 0.01667 (12092724) 465869.93
3727325.36 0.01007c (14112624)
465435.67 3727563.88 0.01162 (13011524) 467713.10
3728549.23 0.01856 (15011124)
467727.24 3728531.67 0.01815 (15011124) 467767.25
3728485.80 0.01707 (15011124)
467883.86 3728459.94 0.01477 (15011124) 467937.53
3728394.57 0.01371 (15011124)
467632.38 3728834.83 0.02117 (14121024) 467512.74
3728910.54 0.02535 (14121024)
467323.00 3729060.09 0.03363m (16031424) 467881.30
3728691.21 0.01516 (15011124)
467806.52 3728944.51 0.01746c (16121524) 467789.70
3728984.70 0.01800c (16121524)
467873.82 3729225.85 0.02138 (15052224) 467875.69
3729123.04 0.01802 (13011024)
468020.59 3728487.01 0.01279 (15011124) 468021.34
3728204.18 0.01178 (15011124)
466451.35 3728209.31 0.07673 (13122724) 466461.97
3728188.71 0.07569 (13122724)



*** MODELOPTs: NonDFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

| GROUP ID | AVERAGE | CONC | DATE (YYMMDDHH) | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | OF TYPE | NETWORK GRID-ID |
|---|---|---|---|---|---|---|
| ALL | HIGH 1ST HIGH VALUE IS | 0.21035c | ON 14120524: | AT ( 466852.83, 3728807.35, 394.66, 635.00, 0.00) | DC | |

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** *** C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\15852 Baker *** 02/05/25
*** AERMET - VERSION 16216 *** *** 15:44:50

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*** MODELOPTs: NonDFAULT CONC FLAT and 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 2 Warning Message(s)
A Total of 1763 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 884 Calm Hours Identified

A Total of 879 Missing Hours Identified ( 2.00 Percent)

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

```
    ********   WARNING MESSAGES   ********
 ME W186     107       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     107       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 2/5/2025
** File: C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\Operational LSTs
PM25 -05\Operational LSTs PM25 -05.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Users\adadabhoy\Desktop\AERMOD\15852 Baker Industrial\15852 Baker
   MODELOPT CONC FLAT ELEV
   AVERTIME 24
   URBANOPT 2189641 County_of_Riverside
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "Operational LSTs PM25 -05.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     466054.865  3729318.431      390.160
   LOCATION VOL2         VOLUME     466115.133  3729178.529      390.300
   LOCATION VOL3         VOLUME     466139.885  3729409.370      388.320
```

```
   LOCATION VOL4         VOLUME     466279.789  3729398.609      384.750
   LOCATION VOL5         VOLUME     466194.233  3729270.005      387.290
   LOCATION VOL6         VOLUME     466255.037  3729130.101      394.170
   LOCATION VOL7         VOLUME     466333.599  3729270.005      385.000
   LOCATION VOL8         VOLUME     466394.941  3729130.101      390.320
   LOCATION VOL9         VOLUME     466312.075  3728990.197      407.410
   LOCATION VOL10        VOLUME     466535.383  3729128.486      389.000
   LOCATION VOL11        VOLUME     466451.979  3728990.197      399.070
   LOCATION VOL12        VOLUME     466591.345  3728989.658      389.950
   LOCATION VOL13        VOLUME     466396.017  3729198.976      386.900
   LOCATION VOL14        VOLUME     466730.172  3728916.478      389.760
   LOCATION VOL15        VOLUME     466728.020  3728656.041      395.000
   LOCATION VOL16        VOLUME     466809.810  3728687.251      391.970
   LOCATION VOL17        VOLUME     466457.898  3728851.907      399.150
   LOCATION VOL18        VOLUME     466597.264  3728850.293      410.100
   LOCATION VOL19        VOLUME     466728.558  3728795.407      390.450
   LOCATION VOL20        VOLUME     466589.192  3728710.927      399.980
   LOCATION VOL21        VOLUME     466912.586  3728607.075      410.590
   LOCATION VOL22        VOLUME     466814.653  3728551.651      417.960
** Source Parameters **
   SRCPARAM VOL1         0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL2         0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL3         0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL4         0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL5         0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL6         0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL7         0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL8         0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL9         0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL10        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL11        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL12        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL13        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL14        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL15        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL16        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL17        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL18        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL19        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL20        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL21        0.0002872752     5.000    32.286     1.400
   SRCPARAM VOL22        0.0002872752     5.000    32.286     1.400
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
```

```
**
RE STARTING
   INCLUDED "Operational LSTs PM25 -05.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ELSI_V9_ADJU\ELSI_v9.SFC
   PROFFILE ELSI_V9_ADJU\ELSI_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 406.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "OPERATIONAL LSTS PM25 -05.AD\24H1GALL.PLT" 31
   SUMMFILE "Operational LSTs PM25 -05.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     107       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187     107       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

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

 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:47:36

                                   PAGE   1
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

 ** Model Options Selected:
      * Model Allows User-Specified 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.
      * Allow FLAT/ELEV Terrain Option by Source,
        with      0 FLAT and     22 ELEV Source(s).
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for    22 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  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: PM_2.5

 **Model Calculates  1 Short Term Average(s) of:  24-HR

 **This Run Includes:     22 Source(s);       1 Source Group(s); and      46
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     22 VOLUME source(s)
```

```
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
         Model Outputs Tables of 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) =   406.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.5 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   Operational LSTs PM25 -05.err

 **File for Summary of Results:   Operational LSTs PM25 -05.sum

 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                         ***       15:47:36

                                   PAGE   2
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*
```

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY | AIRCRAFT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL1 | 0 | 0.28728E-03 | 466054.9 | 3729318.4 | 390.2 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL2 | 0 | 0.28728E-03 | 466115.1 | 3729178.5 | 390.3 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL3 | 0 | 0.28728E-03 | 466139.9 | 3729409.4 | 388.3 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL4 | 0 | 0.28728E-03 | 466279.8 | 3729398.6 | 384.8 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL5 | 0 | 0.28728E-03 | 466194.2 | 3729270.0 | 387.3 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL6 | 0 | 0.28728E-03 | 466255.0 | 3729130.1 | 394.2 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL7 | 0 | 0.28728E-03 | 466333.6 | 3729270.0 | 385.0 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL8 | 0 | 0.28728E-03 | 466394.9 | 3729130.1 | 390.3 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL9 | 0 | 0.28728E-03 | 466312.1 | 3728990.2 | 407.4 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL10 | 0 | 0.28728E-03 | 466535.4 | 3729128.5 | 389.0 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL11 | 0 | 0.28728E-03 | 466452.0 | 3728990.2 | 399.1 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL12 | 0 | 0.28728E-03 | 466591.3 | 3728989.7 | 389.9 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL13 | 0 | 0.28728E-03 | 466396.0 | 3729199.0 | 386.9 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL14 | 0 | 0.28728E-03 | 466730.2 | 3728916.5 | 389.8 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL15 | 0 | 0.28728E-03 | 466728.0 | 3728656.0 | 395.0 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL16 | 0 | 0.28728E-03 | 466809.8 | 3728687.3 | 392.0 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL17 | 0 | 0.28728E-03 | 466457.9 | 3728851.9 | 399.2 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL18 | 0 | 0.28728E-03 | 466597.3 | 3728850.3 | 410.1 | 5.00 | 32.29 | 1.40 | YES | NO | |
| VOL19 | 0 | 0.28728E-03 | 466728.6 | 3728795.4 | 390.4 | 5.00 | 32.29 | | | | |

                                      *** SOURCE IDs DEFINING SOURCE GROUPS
***

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


  ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
VOL6        , VOL7        , VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
VOL22       ,



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

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


              2189641.   VOL1        , VOL2        , VOL3        , VOL4        ,
VOL5        , VOL6        , VOL7        ,
 VOL8        ,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 465958.2, 3729269.9, 392.7, 1408.0, 0.0); ( 466852.8,
3728807.3, 394.7, 635.0, 0.0);
( 465755.9, 3729010.3, 400.1, 1408.0, 0.0); ( 466029.8,
3728618.5, 465.5, 465.5, 0.0);
( 466326.2, 3728404.4, 404.1, 1313.0, 0.0); ( 466651.8,
3728102.8, 416.5, 416.5, 0.0);
( 466620.5, 3728094.4, 415.9, 415.9, 0.0); ( 466715.7,
3728045.5, 401.1, 453.0, 0.0);
( 466849.2, 3728002.4, 392.5, 442.0, 0.0); ( 466886.3,
3728009.6, 393.1, 442.0, 0.0);
( 466784.6, 3728067.0, 400.6, 439.0, 0.0); ( 467154.5,
3728238.1, 410.6, 442.0, 0.0);
( 467151.8, 3728336.1, 412.7, 442.0, 0.0); ( 467095.6,
3729260.4, 388.1, 635.0, 0.0);
( 467193.6, 3729161.4, 382.0, 635.0, 0.0); ( 466701.0,
3729639.0, 394.0, 674.0, 0.0);
( 466711.3, 3729684.2, 400.6, 674.0, 0.0); ( 465908.6,
3729208.5, 392.9, 1408.0, 0.0);
( 467033.5, 3729844.0, 395.7, 674.0, 0.0); ( 466935.5,
3729846.8, 397.7, 674.0, 0.0);
( 466031.9, 3728472.8, 477.3, 478.0, 0.0); ( 467387.6,
3729299.4, 401.0, 635.0, 0.0);
( 467617.4, 3729280.2, 402.9, 635.0, 0.0); ( 467474.9,
3729206.5, 398.5, 635.0, 0.0);
( 467637.4, 3729084.0, 395.7, 635.0, 0.0); ( 464714.8,
3730025.5, 414.1, 1408.0, 0.0);
( 464677.7, 3729887.8, 427.8, 1408.0, 0.0); ( 465869.9,
3727325.4, 392.8, 1408.0, 0.0);
( 465435.7, 3727563.9, 399.8, 1408.0, 0.0); ( 467713.1,
3728549.2, 382.0, 635.0, 0.0);
( 467727.2, 3728531.7, 382.1, 635.0, 0.0); ( 467767.2,
3728485.8, 382.9, 635.0, 0.0);

```
     ( 467883.9, 3728459.9,     386.0,     635.0,       0.0);         ( 467937.5,
3728394.6,     387.0,     635.0,       0.0);
     ( 467632.4, 3728834.8,     383.8,     635.0,       0.0);         ( 467512.7,
3728910.5,     383.4,     635.0,       0.0);
     ( 467323.0, 3729060.1,     382.6,     635.0,       0.0);         ( 467881.3,
3728691.2,     389.8,     635.0,       0.0);
     ( 467806.5, 3728944.5,     395.6,     635.0,       0.0);         ( 467789.7,
3728984.7,     396.6,     635.0,       0.0);
     ( 467873.8, 3729225.8,     404.5,     635.0,       0.0);         ( 467875.7,
3729123.0,     402.3,     635.0,       0.0);
     ( 468020.6, 3728487.0,     389.0,     635.0,       0.0);         ( 468021.3,
3728204.2,     387.4,     387.4,       0.0);
     ( 466451.3, 3728209.3,     413.1,    1313.0,       0.0);         ( 466462.0,
3728188.7,     413.2,    1313.0,       0.0);
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                       ***       15:47:36

                                  PAGE   6
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 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)
```

 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

                                    *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   ELSI_V9_ADJU\ELSI_v9.SFC
                  Met Version:  16216
   Profile file:   ELSI_V9_ADJU\ELSI_v9.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:     3171                  Upper air station no.:     3190
                  Name: UNKNOWN                                    Name: UNKNOWN

                  Year:   2012                                     Year:   2012

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
 12 01 01   1 01   -1.3  0.065 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40   78.    9.1  284.2    5.5
 12 01 01   1 02   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   69.    9.1  283.8    5.5
 12 01 01   1 03   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  286.    9.1  282.5    5.5
 12 01 01   1 04   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  348.    9.1  282.5    5.5
 12 01 01   1 05   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40   17.    9.1  282.0    5.5
 12 01 01   1 06   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90  161.    9.1  282.0    5.5
 12 01 01   1 07   -1.3  0.066 -9.000 -9.000 -999.   40.     18.2  0.23   2.69
1.00    0.40  273.    9.1  282.0    5.5
 12 01 01   1 08   -3.6  0.091 -9.000 -9.000 -999.   66.     18.3  0.23   2.69
0.54    0.90  113.    9.1  283.8    5.5
 12 01 01   1 09   39.6  0.087  0.358  0.016   40.   61.     -1.4  0.23   2.69
0.33    0.40  336.    9.1  285.9    5.5

```
 12 01 01   1 10  110.7  0.206  0.740  0.007  127.  225.     -6.9  0.23   2.69
0.25    1.30  158.    9.1  291.4    5.5
 12 01 01   1 11  161.7  0.105  1.203  0.005  374.   87.     -1.0  0.23   2.69
0.23    0.40   33.    9.1  297.0    5.5
 12 01 01   1 12  185.5  0.271  1.535  0.005  676.  339.     -9.3  0.23   2.69
0.22    1.80  313.    9.1  298.8    5.5
 12 01 01   1 13  183.9  0.219  1.828  0.005 1154.  247.     -4.9  0.23   2.69
0.22    1.30  250.    9.1  300.4    5.5
 12 01 01   1 14  156.6  0.266  1.869  0.005 1446.  330.    -10.4  0.23   2.69
0.23    1.80  217.    9.1  301.4    5.5
 12 01 01   1 15  104.7  0.256  1.677  0.005 1562.  311.    -13.8  0.23   2.69
0.27    1.80  248.    9.1  302.0    5.5
 12 01 01   1 16   32.7  0.319  1.147  0.005 1596.  433.    -85.9  0.23   2.69
0.36    2.70  235.    9.1  302.0    5.5
 12 01 01   1 17  -15.5  0.190 -9.000 -9.000 -999.  208.     39.6  0.23   2.69
0.63    1.80   46.    9.1  299.2    5.5
 12 01 01   1 18   -4.1  0.092 -9.000 -9.000 -999.   73.     16.2  0.23   2.69
1.00    0.90  107.    9.1  294.9    5.5
 12 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.23   2.69
1.00  999.00  999.   -9.0  292.5    5.5
 12 01 01   1 20   -4.2  0.092 -9.000 -9.000 -999.   67.     16.1  0.23   2.69
1.00    0.90  323.    9.1  290.4    5.5
 12 01 01   1 21   -8.8  0.133 -9.000 -9.000 -999.  116.     23.2  0.23   2.69
1.00    1.30   34.    9.1  287.5    5.5
 12 01 01   1 22   -1.3  0.065 -9.000 -9.000 -999.   41.     18.1  0.23   2.69
1.00    0.40  359.    9.1  286.4    5.5
 12 01 01   1 23   -1.3  0.065 -9.000 -9.000 -999.   40.     18.1  0.23   2.69
1.00    0.40  351.    9.1  285.4    5.5
 12 01 01   1 24   -4.2  0.092 -9.000 -9.000 -999.   67.     16.0  0.23   2.69
1.00    0.90   11.    9.1  284.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   284.3   99.0  -99.00  -99.00
 12 01 01 01    9.1 1   78.    0.40  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 23132  ***   *** C:\Users\adadabhoy\Desktop\AERMOD\15852
Baker Industrial\15852 Baker ***        02/05/25
 *** AERMET - VERSION  16216 ***   ***
                        ***        15:47:36

                                   PAGE   8
 *** MODELOPTs:    NonDFAULT  CONC  FLAT and  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       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_2.5   IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        465958.17   3729269.92        0.08673c (16011524)               466852.83
 3728807.35        0.11755c (14120524)
        465755.92   3729010.35        0.02675c (15010424)               466029.84
 3728618.52        0.02826c (15121824)
        466326.18   3728404.41        0.04008  (14120824)               466651.83
 3728102.77        0.04647  (14120824)
        466620.50   3728094.43        0.04492  (14120824)               466715.74
 3728045.55        0.02754  (14120824)
        466849.18   3728002.38        0.01624b (15020724)               466886.31
 3728009.62        0.01660b (15020724)
        466784.58   3728066.96        0.02807  (14122724)               467154.51
 3728238.13        0.05050  (13112224)
        467151.79   3728336.11        0.05611  (13112224)               467095.65
 3729260.36        0.02461m (16031424)
        467193.61   3729161.45        0.02238m (16031424)               466700.99
 3729639.01        0.02889m (16031324)
        466711.35   3729684.22        0.03022  (16010624)               465908.60
 3729208.50        0.05721c (16011524)
        467033.50   3729843.96        0.01646m (16031324)               466935.45
 3729846.80        0.01766  (16010624)
        466031.91   3728472.80        0.02424c (15121824)               467387.60
 3729299.39        0.01960  (15052224)
        467617.42   3729280.17        0.01551  (15052224)               467474.88
 3729206.50        0.01562  (15052224)
        467637.44   3729083.98        0.01168c (16121524)               464714.77
 3730025.47        0.00908  (16040924)
        464677.74   3729887.77        0.00932  (12092724)               465869.93
 3727325.36        0.00563c (14112624)
        465435.67   3727563.88        0.00649  (13011524)               467713.10
 3728549.23        0.01037  (15011124)
        467727.24   3728531.67        0.01014  (15011124)               467767.25
 3728485.80        0.00954  (15011124)
        467883.86   3728459.94        0.00826  (15011124)               467937.53
 3728394.57        0.00766  (15011124)
```

```
       467632.38   3728834.83        0.01183  (14121024)                467512.74
 3728910.54        0.01416  (14121024)
       467323.00   3729060.09        0.01880m (16031424)                467881.30
 3728691.21        0.00847  (15011124)
       467806.52   3728944.51        0.00976c (16121524)                467789.70
 3728984.70        0.01006c (16121524)
       467873.82   3729225.85        0.01195  (15052224)                467875.69
 3729123.04        0.01007  (13011024)
       468020.59   3728487.01        0.00715  (15011124)                468021.34
 3728204.18        0.00658  (15011124)
       466451.35   3728209.31        0.04288  (13122724)                466461.97
 3728188.71        0.04229  (13122724)
```



```
                                                *** THE SUMMARY OF HIGHEST 24-HR
RESULTS ***


                                    ** CONC OF PM_2.5   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       0.11755c ON 14120524: AT (  466852.83,
3728807.35,   394.66,   635.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

```
*** Message Summary : AERMOD Model Execution ***

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

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of         1763 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of          884 Calm Hours Identified

A Total of          879 Missing Hours Identified (  2.00 Percent)


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


   ********   WARNING MESSAGES   ********
ME W186     107       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
ME W187     107       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

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