Appendix C

Air Quality and Greenhouse Gas

Appendix C.1

Air Quality and Greenhouse Gas

9000 Airport

Technical Appendix for Air Quality and Greenhouse Gas Emissions

- Appendix C-1.1: Air Quality and Greenhouse Gas Emissions Methodology
- Appendix C-1.2: Air Quality Worksheets
    - Summary of Air Pollutant Emissions
    - Summary of Construction Assumptions
    - CO Hotspots
    - Onsite Emissions Summary
    - Onsite Emissions
        - Operational Truck Trips
        - Cargo Handling Equipment
        - Emergency Generator
        - Road Dust
    - Operational Localized Pollutant Concentrations
    - AERMOD Outputs
    - Gibson Truck Trip Memo

- Appendix C-1.3: Greenhouse Gas Worksheets
    - GHG Modeling Parameters and Summary of Emissions
        - GHG Emissions Summary
        - GHG Parameters
            - Carbon Intensity
            - VMT
            - EVs
            - On-site GHG Emissions Calculations

- Appendix C-1.4: Modeling Output Files
    - CalEEMod Outputs
        - Existing Baseline
        - Existing Buildout
        - Project Construction Onsite
        - Project Construction
        - Project Operations

9000 Airport

Appendix C-1-Air Quality and Greenhouse Gas Emissions Methodology

AIR QUALITY AND GREENHOUSE GAS EMISSIONS METHODLOGY

9000 Airport Boulevard Project

Prepared by:

Eyestone Environmental, LLC

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9000 Airport Boulevard

Air Quality and Greenhouse Gas Emissions Methodology

1. Introduction

Eyestone Environmental has been retained to conduct a comprehensive greenhouse gas (GHG) and criteria air pollutant emissions assessment for the 9000 Airport Boulevard Project (the "Project"). Emissions during both construction and operation of the Project were quantified. This assessment describes the methodology used to estimate the GHG and air pollutant emissions from existing and Project conditions and describes the methodology used to quantify GHG and air pollutant emission reductions from project design features and mitigation measures.

The Project proposes to construct one of two possible building plans for industrial warehouse buildings with ancillary office space. The single building option (Option 1) would be comprised of up to 435,390 square feet (sf) of combined industrial warehouse and office space. The three-building option (Option 2) would be comprised of up to 410,065 sf of combined industrial warehouse and office space.

Project construction would begin with the demolition of the existing rental car facility structures. The next phase would include grading and excavation. The building foundations would then be laid, followed by building construction, paving/concrete installation, and landscape installation. Project construction is anticipated to commence in 2026 and be completed in 2027. For Option 1, 1,460 cubic yards of export would be hauled off the Project Site and 9,612 cubic yards of import would be hauled to the Project Site. For Option 2, 5,350 cubic yards of export would be hauled off the Project Site and 485 cubic yards of import would be hauled to the Project Site.

2. Air Pollutant and Greenhouse Gas Emissions Methodology

The Project would result in direct emissions of criteria pollutants and direct and indirect GHG emissions generated by different types of emissions sources, including:[1]

- Direct Emissions:
  - Construction: emissions associated with demolition of existing uses, excavation, grading, and construction-related equipment and vehicular activity;
  - Area source: emissions associated with consumer products, architectural coatings, and landscape equipment;
  - Energy source (building operations): emissions associated with space heating and cooling, and water heating;
  - Mobile source: emissions associated with vehicles accessing the project site;
  - Stationary source: emissions associated with stationary equipment (e.g., emergency generators); and
  - Refrigerants: fugitive GHG emissions associated with building air conditioning and refrigeration equipment.
- Indirect Emissions:
  - Energy source (building operations): emissions associated with energy consumption, and lighting;
  - Solid Waste: emissions associated with the decomposition of the waste, which generates methane based on the total amount of degradable organic carbon; and
  - Water/Wastewater: emissions associated with energy used to pump, convey, deliver, and treat water.

[1] *Direct sources of emissions include Project-related vehicular trips and onsite combustion of fossil fuels (e.g., natural gas, propane, gasoline, and diesel). Whereas, indirect sources of emissions include offsite emissions associated with purchased electricity and embodied energy (e.g., energy used to convey, treat, and distribute water and wastewater)*

a. Emission Inventories

Project-related construction and operation emissions were calculated using South Coast Air Quality Management District's (SCAQMD) recommended California Emissions Estimator Model (CalEEMod). CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California. Data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided by the various California air districts to account for local requirements and conditions. The model is considered by the SCAQMD to be an accurate and comprehensive tool for quantifying criteria pollutant and GHG impacts from land use projects throughout California.[2]

CalEEMod utilizes widely accepted models for emission estimates combined with appropriate default data that can be used if site-specific information is not available. These models and default estimates use sources such as the United States Environmental Protection Agency's (USEPA AP-42) emission factors, the California Air Resources Board's (CARB) on-road emission model (EMission FACtor model (EMFAC)) and off-road equipment emission model (Off-road Emissions Inventory Program model (OFFROAD)).

(1) Construction

Construction activities would generate emissions from off-road equipment usage, on-road vehicle travel (truck hauling, vendor deliveries, and workers commuting), architectural coating, and paving. Each of these source types is discussed in more detail below. The Project's construction emissions were calculated using the SCAQMD recommended CalEEMod (Version 2022.1). Please refer to CalEEMod construction output files for a complete listing of construction details modeled. CalEEMod default values were used for equipment and vehicle emission factors, equipment load factors and vehicle trip lengths. It should be noted that the maximum daily emissions were predicted values for the worst-case day and do not represent the emissions that would occur for every day of Project construction. The maximum daily emissions were compared to the SCAQMD daily regional numeric indicators. Annual emissions were calculated based on the total number of hours each piece of equipment was used and the total number of vehicular trips (i.e., worker, vendor, and haul) over the duration of construction. In accordance with the SCAQMD's guidance, GHG emissions from construction were amortized over the lifetime

[2] *See www.caleemod.com.*

of the Project. The SCAQMD defines the lifetime of a project as 30 years.[3] Therefore, total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate comparable to operational emissions.

(a) Emissions from Construction Equipment

The emission calculations associated with construction equipment are from off-road equipment engine use based on the equipment list and phase length. Since the majority of the off-road construction equipment used for construction projects are diesel fueled, CalEEMod assumes all of the equipment operates on diesel fuel. Construction equipment emissions vary with engine model years in which newer equipment will emit fewer pollutants. As a conservative assumption, the CalEEMod model uses an emission rate for equipment which represents an average model year for available equipment within the Air Basin. CalEEMod calculates the exhaust emissions based on CARB OFFROAD methodology using the equation presented below.

Construction Off-Road Equipment:

$$\text{Emissions Diesel [lbs]} = \left(\sum_i (EF_i \times Pop_i \times AvgHP_i \times Load_i \times Activity_i \right.$$

Where:
- EF_i = Emission factor from OFFROAD (lbs/hr)
- Pop_i = Population (quantity of same equipment)
- $AvgHP_i$ = Maximum rated average horsepower (hp)
- $Load_i$ = Load Factor (dimensionless)
- $Activity_i$ = Hours of operation (hours)
- i = Summation index

Fugitive dust emissions from use of off-road equipment were also calculated using CalEEMod based on the types of equipment used during grading activities and based on the amount of import/export from loading or unloading dirt into haul trucks. These methods have been adapted from USEPA's AP-42 method for Western Coal Mining. As recommended by SCAQMD, the fugitive dust emissions from the grading phase are calculated using the methodology described in USEPA AP-42. Particulate Matter (PM) PM_{10} and $PM_{2.5}$ emissions from fugitive dust will be controlled by watering the construction site three times a day consistent with SCAQMD Rule 403 and were estimated to be reduced by 76 percent in compliance with the rule.

[3] *SCAQMD, Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans, 2008.*

(b) Emissions from On-Road Trips

Construction generates on-road vehicle exhaust, evaporative, and dust emissions from personal vehicles for worker commuting, vendor deliveries, and trucks for soil and material hauling. These emissions are based on the number of trips and VMT along with emission factors from EMFAC. The emissions from mobile sources were calculated with the trip rates, trip lengths and emission factors for running from EMFAC as follows:

Construction On-Road Equipment:

Emissions pollutant (lbs) = VMT * EF running, pollutant

Where: VMT = vehicle miles traveled (miles)

EF running,pollutant = emission factor for running emissions (lbs/VMT)

Evaporative emissions, starting and idling emissions in CalEEMod were calculated by multiplying the number of trips times the respective emission factor for each pollutant.

(c) Emissions from Architectural Coating

Volatile organic compounds (VOC) off-gassing emissions result from evaporation of solvents contained in surface coatings. CalEEMod calculates the VOC evaporative emissions from application of residential and non-residential surface coatings using the following equation:

Construction Architectural Coating Emissions:

Emissions Architectural Coatings (lbs) = EF_{AC} x F * A_{paint}

Where: EF_{AC} = Emission Factor (lb/sf)

A_{paint} = Building Surface Area (sf)

The CalEEMod tool assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage. All of the land use information provided by a metric other than square footage were converted to square footage using the default conversions or user defined equivalence.

F = fraction of surface area [%].

The default values based on SCAQMD methods used in their coating rules are 75 percent for the interior surfaces and 25 percent for the exterior shell. Parking areas are based on 6-percent coverage.

The emission factor (EF) is based on the VOC content of the surface coatings and is calculated estimated using the equation below:

$EF_{AC} = C_{VOC}/454(g/lb) \times 3.785(L/gal)/180*sf)$

Where: EF = emission factor (lb/sf)

C = VOC content (g/L or gram per liter)

The emission factors for coating categories were calculated using the equation above based on default VOC content from provided by the air districts or CARB's statewide limits in CalEEMod. Architectural coating VOC emission factors are also consistent with SCAQMD Rule 1113 as discussed above.

(d) Emissions from Paving

CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation:

$Emissions_{AP}$ (lbs) = $EF_{AP} \times A_{parking}$

Where: EF = emission factor (lb/acre)

A = area of the parking lot (acre)

Note: The Sacramento Metropolitan Air Quality Management District (SMAQMD) default emission factor is 2.62 lb/acre. This value is used as the default emission factor within CalEEMod

(2) Operation

Similar to construction, the SCAQMD-recommended CalEEMod was used to calculate potential emissions generated by the Project, including area source, energy sources (electricity and natural gas), mobile source, stationary sources (emergency generator), solid waste generation and disposal, water usage/wastewater generation, and refrigeration.

(3) Area Source Emissions

It is anticipated that the Project would utilize up to 16 electric forklifts and 2 diesel-powered yard trucks for daily operations. However, it was conservatively assumed that six of the forklifts would be propane forklifts. Forklifts were assumed to operate 24 hours per day and 365 days per year. Each yard truck would operate for four hours per day and 365 days per year.[4] The Project also includes Transport Refrigeration Units (TRUs), which are refrigeration systems powered by diesel internal combustion engines designed to refrigerate perishable products that are transported in various containers, including truck vans and semi-truck trailers. Emission factors for TRUs were obtained from OFFROAD 2021 for TRU trailers in Los Angeles County.

Area source emissions were calculated using the CalEEMod emissions inventory model, which includes consumer products, architectural coatings, and landscape maintenance equipment. Pollutant emissions generated by the Project were calculated using CalEEMod defaults, based upon the land uses that will be included in each project.

Consumer products are chemically formulated products used by household and institutional consumers, including, but not limited to, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products; but does not include other paint products, furniture coatings, or architectural coatings. SCAQMD did an evaluation of consumer product use compared to the total square footage of buildings using data from CARB consumer product Emission Inventory. To calculate the VOC emissions from consumer product use, the following equation was used in CalEEMod:

Emissions Consumer Products (lbs) = EF_{CP} x Building Area

Where:

EF_{CP} = pounds of VOC per building square foot

The factor is 1.98×10^{-5} lbs/sf for SCAQMD areas.

Building Area = the total square footage of all buildings including residential square footage (where applicable)

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[4] *Based on 3.6 yard trucks per million square feet of building space (South Coast Air Quality Management District. 2014, June. SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results, www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/business-survey-summary.pdf).*

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers. The operational emission methodology from architecture coating is the same as the construction methodology discussed above. All land use buildings are assumed to be repainted at a rate of 10 percent of area per year. This is based on the assumptions used by SCAQMD.

The combustion of fossil fuels to operate landscape equipment such as lawnmowers and trimmers, results in pollutant emissions. The emissions occur on-site and are considered a direct source of pollutant emissions. The emissions for landscaping equipment are based on the size of the land uses, the pollutant emission factors for fuel combustion. Pollutant emissions from landscaping equipment are generally calculated in CalEEMod as follows:

Landscaping Equipment:

Landscaping Equipment Emissions [lbs] = (Σ_i (Units × EF_{LE} × A_{LE})$_i$)

Where: Units = Number of land use units (same land use type) [1,000 sf]

EF_{LE} = Emission factor [grams (g)/1,000 sfday]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf (where applicable).

(4) Energy Emissions (Electricity and Natural Gas)

Pollutant emissions are emitted as a result of activities in buildings when electricity and natural gas are used as energy sources. Combustion of any type of fuel emits pollutant emissions directly into the atmosphere; when this occurs in a building, it is a direct emission source associated with that building. Pollutant emissions are also emitted during the generation of electricity from fossil fuels. When electricity is used in a building, the electricity generation typically takes place off-site at the power plant; electricity use in a building generally causes emissions in an indirect manner.

Energy demand emissions were calculated using the CalEEMod emissions inventory model. Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as in plug-in appliances. CalEEMod calculates energy use from systems covered by Title 24 Building Energy Efficiency Standards (e.g., heating, ventilation, and air conditioning [HVAC] system, water heating system, and lighting system); energy use from

lighting; and energy use from office equipment, appliances, plug-ins, and other sources not covered by Title 24 or lighting.

CalEEMod energy demand is based on the California Energy Commission (CEC) sponsored California Commercial End Use Survey (CEUS) study.[5] The data is specific for Electricity Demand Forecast Zones (EDFZ) and, therefore, EDFZ 16 was selected for the Project Site based on the Project's address. CalEEMod includes 2019 Title 24 Energy Efficiency Standards when calculating project energy usage.

In order to account for the Project's implementation of Project Design Feature GHG-PDF-1, calculations were performed to convert appliances which are typically powered by natural gas, to electricity powered. By default, CalEEMod 2022.1 assumes appliances such as water heating, clothes dryers and space heating are powered by natural gas. The CalEEMod 2022.1 model contains adjustments to take into account the increased electricity usage and decrease in GHG emissions as a result of all-electric development for residential uses. However, these adjustments are not yet available in CalEEMod 2022.1 for commercial uses (e.g., the Project). The CAPCOA GHG Handbook provides a methodology to calculate the equivalent electricity usage of an appliance that is normally powered by natural gas, such as clothes dryers, water heaters and space heating.[6] In order to account for the Project's compliance with the new all-electric ordinance, calculations were performed to convert appliances which are typically powered by natural gas, to electricity powered. Conservatively, the CAPCOA GHG Handbook also assumes some appliances that are typically powered by electricity to be powered by natural gas by default (e.g., refrigeration and air conditioning). As CalEEMod 2022.1 categorizes electricity usage as either Title 24 (e.g., space heating and water heating) versus non-Title 24 (e.g., appliances), a specific conversion for each category provided in the CAPCOA guidance was not available. Thus, some natural gas categories within the CAPCOA GHG Handbook (e.g., refrigeration) are likely already included as electric within CalEEMod. Thus, the conversion between natural gas to electricity for these categories within the CAPCOA GHG Handbook would be conservative and overstate the total electricity usage. The calculations are provided in Appendix A of this Draft EIR.

(b) Electricity

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[5] *2019 consumption estimates from the CEC's (2020, 2021) 2018–2030 Uncalibrated Commercial Sector Forecast (Commercial Forecast) and the RASS (refer to Table G-28) of Appendix G in CalEEMod User's Guide, 2022.*

[6] *California Air Pollution Control Officers Association (CAPCOA) Handbook for Analyzing Greenhouse Gas Emissions Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity. Appendix C. Table E-15. December 2021.*

Because power plants are existing stationary sources permitted by air districts and/or the USEPA, criteria pollutant emissions are generally associated with the power plants themselves, and not individual buildings or electricity users. Additionally, criteria pollutant emissions from power plants are subject to local, state, and federal control measures, which can be considered to be the maximum feasible level of mitigation for stack emissions. In contrast, GHG emissions from power plants are not subject to stationary source permitting requirements to the same degree as criteria pollutants. As such, GHGs emitted by power plants may be indirectly attributed to individual buildings and electricity users, who have the greatest ability to decrease usage by applying mitigation measures to individual electricity "end uses." CalEEMod therefore calculates GHG emissions (but not criteria pollutant emissions) from regional power plants associated with building electricity use.

Emissions associated with electricity demand are based on the size of the residential, commercial and retail land uses, the electrical demand factors for the land uses, the emission factors for the electricity utility provider, and the global warming potential (GWP) values for the GHGs emitted. Annual electricity GHG emissions in units of metric tons of CO2 equivalent ($MTCO_2e$) are calculated as follows:

Electricity:

$$\text{Annual Emissions } [MTCO_2e] = \left(\Sigma_i \left(\text{Units} \times D_E \times EF_E \times GWP \right)_i \right) \div 2{,}204.62$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_E = Electrical demand factor [megawatt-hour (MWh)/1,000 sf/yr]

EF_E = GHG emission factor [pounds per megawatt-hour (MWh)]

GWP = Global warming potential [$CO_2 = 1$, $CH_4 = 21$, $N_2O = 310$]

2,204.62 = Conversion factor [pounds/MT]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf (where applicable).

GHG emissions from electricity use are directly dependent on the electricity utility provider. The Los Angeles Department of Water and Power (LADWP) provides electric service to the Project Site. Thus, GHG intensity factors for LADWP were selected in CalEEMod. Intensity factors for GHGs due to electrical generation to serve the electrical demands of the existing condition were obtained from the LADWP 2022 Power Content Label, which provides a CO_2 intensity of 567 pounds of CO_2 per MWh for 2022. By 2030, at least 60 percent of electricity shall be obtained from renewable sources. As year-by-

year data is currently not available, the CO_2 intensity factor for the Project buildout was determined based on straight line interpolation based on current and future year data points.

(c) Natural Gas

The direct source emissions associated with natural gas combustion are based on the size of the land uses and the natural gas combustion factors for the land uses in units of million British thermal units (MMBtu). Natural gas emissions are calculated in CalEEMod as follows:

Natural Gas:

Natural Gas Emissions (lbs) $= (\Sigma_i (Units \times D_{NG} \times EF_{NG})_I)$

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_{NG} = Natural Gas combustion factor [MMBtu/1,000 sf]

EF_{NG} = Natural Gas combustion factor [pounds/MMBtu]

I = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf (where applicable).

(5) Mobile Source Emissions

Mobile-source emissions were calculated using the CalEEMod emissions inventory model. CalEEMod calculates the emissions associated with on-road mobile sources associated with employees, visitors, and delivery vehicles visiting the Project Site based on the number of daily trips generated and VMT. The Traffic Study prepared by Gibson Transportation Consulting had calculated Project VMT which was entered into CalEEMod in calculating Project mobile source emissions.

Modeling was also conducted using the Los Angeles County vehicle fleet mix for all vehicle types as provided in EMFAC2021.

Mobile source emissions were generally calculated in CalEEMod as follows:

Mobile:

Mobile Emissions [lbs] = (Σ_i (Units × ADT x D_{TRIP} × EF_i)

Where: Units = Number of vehicles (same vehicle model year and class)

ADT = Average daily trip rate [trips/day]

D_{TRIP} = Trip distance [miles/trip]

EF = Pollutant emission factor [pounds per mile]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf (where applicable).

Mobile source operational emissions were calculated based on the Project VMT estimates provided by Gibson Transportation Consulting. [7] The Los Angeles Department of Transportation (LADOT) VMT Calculator was used.

Previously, trip generation for land uses was calculated based on survey data collected by the Institute of Transportation Engineers (ITE). However, these ITE trip generation rates were based on data collected at suburban, single-use, free standing sites, which may not be representative of urban mixed-use environments. Beginning in 2019, the USEPA has sponsored a study to collect travel survey data from mixed-use developments in order provide a more representative trip generation rate for multi-use sites. Results of the USEPA survey indicate that trip generation and VMT are affected by factors such as resident and job density, availability of transit, and accessibility of biking and walking paths. Based on these factors, the USEPA has developed equations known as the EPA Mixed-Use Development (MXD) model to calculate trip reductions for multi-use developments.[8] The LADOT VMT Calculator incorporates the USEPA MXD model and accounts for project features such as increased density and proximity to transit, which would reduce VMT and associated fuel usage in comparison to free-standing sites.

The Project design includes characteristics that would reduce trips and VMT as compared to a standard project within the air basin as measured by the air quality model (CalEEMod). While these Project characteristics primarily reduce greenhouse gas

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[7] *Gibson Transportation Consulting, Inc., Transportation Assessment for the 9000 Airport Boulevard Project, Studio City, California. March 2024.*

[8] *Environmental Protection Agency, Mixed-Use Trip Generation Model. www.epa.gov/smartgrowth/mixed-use-trip-generation-model. Accessed January 30, 2024.*

emissions, they would also reduce criteria air pollutants discussed herein. These relative reductions in vehicle trips and VMT from a standard project within the air basin help quantify the criteria air pollutant emissions reductions achieved by locating the Project in any infill, HQTA area that promotes alternative modes of transportation.

(6) Stationary Source (Emergency Generator Emissions)

The Project would include one emergency generator per building. Option 1 would have one generator while Option 2 would have three generators. Emissions were based on a 500-horsepower diesel generator with EPA Tier 4 emissions compliant controls. Since the new generators have the potential to be located within 50 meters (approximately 170 feet) of residential uses, the Project would be required to comply with the new requirements in Table 1 of SCAQMD Rule 1470.[9] DPM emissions were calculated consistent with the emission factors in Table 1 of SCAQMD Rule 1470. The emergency generators would likely be permitted for 200 hours per year consistent with SCAQMD Rule 1470. Although the generators would typically be run one hour per month for testing (12 hours per year), it was conservatively assumed that generators would run for 200 hours per year.

Emissions of GHGs associated with use of emergency generators were calculated using CalEEMod, in which emission factors are based on Table 3.4-1 (Gaseous Emission Factors for Large Stationary Diesel Engines) from EPA's AP-42: Compilation of Air Pollutant Emission Factors. The emissions are based on the horsepower rating of the diesel generator and the number of hours operated per year for testing purposes. Annual emergency generator GHG emissions in units of $MTCO_2e$ were calculated as follows:

Emergency Generator:

Emissions [lbs] = (Total HP x LF x HR × EF)

Where: Total HP = Total horsepower of emergency generators (Hp)
LF = Load Factor (CalEEMod default of 0.73)
HR = Hours Operated per Year
EF = AP-42 Emission Factor of 1.16 lb/hp-hr)

[9] *A Project Design Feature will be included as a Correction and Addition in the Final EIR requiring new generators to meet the new emission standards included in Table 1 of SCAQMD Rule 1470.*

(7) Solid Waste Emissions

The generation of municipal solid waste (MSW) from day-to-day operational activities generally consists of product packaging, grass clippings, furniture, clothing, bottles, food scraps, newspapers, plastic, and other items routinely disposed of in trash bins. A portion of the MSW is diverted to waste recycling and reclamation facilities. Waste that is not diverted is usually sent to local landfills for disposal. MSW that is disposed in landfills results in GHG emissions of CO_2 and CH_4 from the decomposition of the waste that occurs over the span of many years.

Emissions of GHGs associated with solid waste disposal were calculated using the CalEEMod emissions inventory model. The emissions are based on the size of the retail and restaurant land uses, the waste disposal rate for the land uses, the waste diversion rate, the GHG emission factors for solid waste decomposition, and the GWP values for the GHGs emitted. Annual waste disposal GHG emissions in units of $MTCO_2e$ were calculated in CalEEMod as follows:

Solid Waste:

$$\text{Annual Emissions } [MTCO_2e] = \left(\Sigma_i \left(\text{Units} \times D_{MSW} \times EF_{MSW} \times GWP \right)_i \right) \div 1.1023$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_{MSW} = Waste disposal rate [tons/1,000 sf/yr]

EF_{MSW} = GHG emission factor [tons/ton waste]

GWP = Global warming potential [CO_2 = 1, CH_4 = 21, N_2O = 310]

1.1023 = Conversion factor [tons/MT]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf (where applicable).

CalEEMod allows the input of several variables to quantify solid waste emissions. The model requires the amount of waste disposed, which is the product of the waste disposal rate times the land use units. CalEEMod default annual solid waste disposal rates used. The GHG emission factors, particularly for CH_4, depend on characteristics of the landfill, such as the presence of a landfill gas capture system and subsequent flaring or energy recovery. The default values, as provided in CalEEMod, for landfill gas capture (e.g., no capture, flaring, energy recovery), which are statewide averages, were used in this

assessment. The Project includes a 76.4-percent recycling/diversion rate currently achieved within the City.[10]

(8) Water Usage and Wastewater Generation Emissions

GHG emissions are related to the energy used to convey, treat, and distribute water and wastewater. Thus, these emissions are generally indirect emissions from the production of electricity to power these systems. Three processes are necessary to supply potable water and include: (1) supply and conveyance of the water from the source; (2) treatment of the water to potable standards; and (3) distribution of the water to individual users. After use, energy is used as the wastewater is treated and reused as reclaimed water.

Emissions related to water usage and wastewater generation were calculated using the CalEEMod emissions inventory model. The emissions are based on the size of the land uses, the water demand factors, the electrical intensity factors for water supply, treatment, and distribution and for wastewater treatment, the GHG emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. CalEEMod default annual water demand and wastewater rates were used. GHG emissions due to electricity are calculated in CalEEMod as follows for indoor and outdoor water demand:

Water Supply, Treatment, and Distribution; Wastewater Treatment (electricity):

$$\text{Annual Emissions } [MTCO_2e] = (\Sigma_i \ (Units \times D_W \times (EI_W \div 1{,}000) \times EF_W \times GWP)_i \ ) \div 2{,}204.62$$

Where:
- Units = Number of land use units (same land use type) [1,000 sf]
- D_W = Water demand factor [million gallons (Mgal)/1,000 sf/yr]
- EI_W = Electricity intensity factor [kilowatt-hours (kWh)/Mgal]
- 1,000 = Conversion factor [kWh/MWh]
- EF_W = GHG emission factor [pounds/MWh]
- GWP = Global warming potential [CO_2 = 1, CH_4 = 21, N_2O = 310]
- 2,205 = Conversion factor [pounds/MT]
- *i* = Summation index

[10] *City of Los Angeles, Sustainable City pLAn, Waste & Landfills, http://plan.lamayor.org/portfolio/waste-landfills-3rd, accessed January 30, 2024.*

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf (where applicable).

CalEEMod provides options to account for the use of water saving features such as the use of low-flow water fixtures (e.g., low-flow faucets, low-flow toilets). The same electricity GHG emissions factors discussed above were used for water and wastewater energy usage. In addition, the calculation of Project GHG emissions from water/wastewater usage accounts for a 20 percent reduction in water/wastewater emissions with implementation of CalGreen requirements.

(9) Refrigerant Emissions

The estimate the fugitive GHG emissions associated with building air conditioning (A/C) and refrigeration equipment is based on the different types of refrigeration equipment used by different types of land uses. For example, an office may use various types of A/C equipment, while a supermarket may use both A/C equipment and refrigeration equipment. All equipment that uses refrigerants has a charge size (i.e., quantity of refrigerant the equipment contains), operational and service refrigerant leak rates (from regular operation and routine servicing), and number of times serviced per lifetime. Each refrigerant has a GWP that is specific to that refrigerant. CalEEMod automatically generates a default A/C and refrigeration equipment inventory for each project land use subtype. CalEEMod quantifies refrigerant emissions from leaks during regular operation and routine servicing over the equipment lifetime and then derives average annual emissions from the lifetime estimate. Note that CalEEMod does not quantify emissions from the disposal of refrigeration and A/C equipment at the end of its lifetime.

(10) On-Site Operational Truck Trips

The Project is conservatively estimated to generate approximately 585 truck trips per day during operation of Option 1 and 527 truck trips for Option 2. Criteria pollutant and TAC emissions are associated with heavy duty trucks and other trucks used to transport goods. Existing truck trips and distribution were based on trip counts provided by Gibson Transportation All heavy-duty trucks (semis) were assumed to be diesel powered. Medium-heavy and medium-duty truck emissions calculations were based on EMFAC2021 vehicle registration data (population) and VMT was calculated based on trip distances from the Project driveway to loading dock locations. The analysis included on-site travel and idle time of 15 minutes per vehicle for medium- and heavy-duty trucks. Emission factors also take into account existing baseline year (2024) and future buildout years (2027).

Truck trips and distribution at Project buildout were based on traffic modeling performed by Gibson Transportation.[11]

- Idle emissions will be based on idle time and the number of trucks operating on-site. Idle time will be limited to a maximum of five minutes at a time per the Air Toxics Control Measure adopted by CARB to limit idling toxics emissions.[12] While State regulation limits idling to five minutes at a time, trucks often idle several times on-site (entrance and exit staging areas and during soil loading operations). To account for idling emissions throughout the Project Site, a total of 15 minutes of idling per trip was assumed in the calculation of on-site truck emissions.

- Travel emissions was calculated based on the number of truck trips, speed and distance traveled. Truck travel distances were measured based on aerial photos and assumptions based on Project driveways to loading dock locations with additional distance for maneuvering and docking.

(11) Transportation Refrigeration Units

The Project would also include up to 10,000 square feet of refrigerated warehousing space. Trucks equipped with TRUs were calculated based on SCAQMD High-Cube Warehouse Vehicle Trip Generation Analysis which assumes a rate of 0.858 trips per thousand square feet of cold storage.[13] Emissions from Transportation Refrigeration Units (TRUs) were estimated using the CARB Draft 2019 Emissions Inventory for Transportation Refrigeration Units.[14] It was assumed that trucks with TRUs would operate for one hour per visit.

(12) On-Site Equipment Exhaust

The Project would include support equipment such as yard trucks and forklifts to move containers or cargo on-site. Although such support equipment would be expected to be powered by electricity, it was conservatively assumed that forklifts would be powered by propane and yard trucks would be diesel powered. Emission factors for yard trucks and

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[11] *Gibson Transportation Consulting, Inc., Truck trip Estimates for 9000 Airport Boulevard, Los Angeles, California, January 28, 2025.*

[12] *Cal. Code Regs. Tit. 13, §2485.*

[13] *High-Cube Warehouse Vehicle Trip Generation Analysis. Institute of Transportation Engineers. October 2016.*

[14] *California Air Resources Board. Draft 2019 Update to Emissions Inventory for Transportation Refrigeration Units. October 2019.*

forklifts were based on CARB OFFROAD emission factors while horsepower rating, load factor, and time of use was based off of CalEEMod default values.

b. Dispersion Modeling

(1) SCAQMD Localized Significance Threshold Methodology

The localized effects from the on-site portion of daily construction emissions were evaluated at sensitive receptor locations potentially impacted by the Project according to the SCAQMD's LST methodology, which uses on-site mass emissions rate look-up tables and Project-specific modeling, where appropriate, to assess whether the Project's local emissions would exceed the SCAQMD's significance thresholds.[15] SCAQMD provides LSTs applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$.[16] SCAQMD does not provide an LST for SO_2, Pb, and H_2S since land use development projects typically result in negligible construction and long-term operation emissions of these pollutants. Since VOCs are not a criteria pollutant, there is no ambient standard or SCAQMD LST for VOCs. Due to the role VOCs play in O_3 formation, it is classified as a precursor pollutant, and only a regional emissions threshold has been established.

SCAQMD recommends that project-specific modeling be performed for projects that exceed 5 acres of active construction or operations. As the Project would have an active construction and operational area larger than five acres dispersion modeling was run using USEPA's Regulatory Model AERMOD to assess the downwind extent of criteria pollutant concentrations from proposed construction and operational activities.[17] AERMOD accounts for a variety of refined, site-specific conditions that facilitate an accurate assessment of Project impacts. AERMOD's air dispersion algorithms are based upon a planetary boundary layer turbulence structure and scaling concepts, including the treatment of surface and elevated sources in simple and complex terrain.

(2) AERMOD Modeling Parameters

Dispersion modeling was performed using the AMS/USEPA Regulatory Model (AERMOD), which is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, and both simple and complex terrain.

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[15] *SCAQMD, LST Methodology Appendix C-Mass Rate LST Look-Up Table, October 2009.*

[16] *SCAQMD, LST Methodology, June 2003 and revised July 2008, p. 1-4.*

[17] *SCAQMD, Final-Localized Significance Threshold Methodology, 2008.*

AERMOD is listed as a preferred model in USEPA's Guideline on Air Quality Models.[18] AERMOD is utilized by USEPA and Cal/EPA for estimating ground-level impacts from point and fugitive sources in simple and complex terrain. SCAQMD requires that AERMOD be run using USEPA regulatory default options, unless non-default options are justified.[19] In this case, AERMOD was run using USEPA regulatory default options. Additional modeling options consistent with SCAQMD guidance are listed below:

- Urban dispersion (Los Angeles County population of 9,818,605, as per SCAQMD guidance).[20]
- Averaging periods include 1-hour, 8-hour, and annual (chronic and cancer risk).
- Flagpole receptor heights include 0 meter (corresponding to ground-level concentrations) for residential uses near the Project Site.
- Building downwash was included based on proposed building dimensions.

(3) Terrain

Terrain data was incorporated in the analysis using, in order of preference, National Elevation Dataset (NED) one-third arc-second data, NED 1 arc-second data, or 7.5-minute Digital Elevation Model (DEM) data—all available from the U.S. Geological Survey. The terrain data was used to set the base elevation for each source and each receptor incorporated into the model.

(4) Meteorological Data

Exposure concentrations can be estimated using screening techniques or predicted using refined dispersion modeling (for inhalation pathways) analyses, which take into account wind speed and direction, temperature, atmospheric pressure, and the influence of intervening buildings and topography.

The SCAQMD provides model-ready, preprocessed meteorological data for use in dispersion modeling using AERMOD. The use of SCAQMD meteorological data ensures

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[18] *40 CFR Part 51, Revision to the Guideline on Air Quality Models: Adoption of a Preferred General Purpose (Flat and Complex Terrain) Dispersion Model and Other Revisions; Final Rule.*

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

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

consistency among dispersion modeling analyses in the Air Basin and eliminates the need for individual parties to apply their own correction measures for missing data. Meteorological data from the SCAQMD Los Angeles International Airport (LAX) monitoring station, approximately 1.5 miles to the west of the Project Site, were used. To account for annual variations in wind patterns, five years of meteorological data were used (years 2019–2023, as mandated by SCAQMD). Monitoring data from the monitoring station has indicated that the predominant wind direction is from the southwest. As a result, the maximum long-term impacts are expected to the east of the Project Site.

(5) Source Parameters

(a) Volume Sources

(i) Construction and Operational Activities

Construction and operational activities would require truck travel and heavy equipment operation on-site, which generate diesel exhaust emissions. Sources of on-site truck travel and heavy equipment operation will be characterized using the SCAQMD Localized Significance Threshold (LST) guidance and the Health Risk Assessment Guidance for Mobile Source Diesel Emissions.[21,22] Exhaust emissions from construction and operational equipment were treated as a set of side-by-side elevated volume sources. The release height was assumed to be 12 feet. This represents the mid-range of the expected plume rise from frequently used construction equipment and operational heavy-duty trucks during daytime atmospheric conditions. Fugitive dust emissions were modeled as an area source with a one meter release height. All construction exhaust emissions were assumed to take place on weekdays between 7 a.m. to 3 p.m. (8-hour period).

During operations, the Project would generate vehicle trips from employees, and truck operations. As the Project would result in a 60 percent reduction in overall trips, the analysis was limited to truck activities. Operational exhaust emissions were assumed to take place seven days per week between, 24 hours per day and include 15 minutes of idle time to account for ingress, egress, and travel on-site.[23]

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[21] *SCAQMD Final Localized Significance Threshold Methodology, June 2003 and revised July 2008.*

[22] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, August 2003.*

[23] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, 2003, www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.*

(b) Point Sources

(i) Emergency Generators

The proposed emergency generator wase modeled as a point source. Parameters, such as stack height, flow rate, exit temperature, and emission rate, were based on a typical 500 horsepower diesel emergency generator.

(6) Receptor Locations

Locations of receptors were determined to identify peak ambient air pollutant impacts associated with the Project. A cancer burden risk analysis was performed to identify areas that would exceed one in one million cancer risk due to Project emissions. The analyzed land uses in close proximity include the following:

- Residential uses east of the Project Site. Residential uses adjacent to the Project site along Ramsgate Avenue.
- Residential uses north of the Project Site. Residential uses are located 25 meters (80 feet) north of the Project Site across Interceptor Street.

Consistent with SCAQMD AERMOD modeling guidance, receptors were placed at ground level (0 meters). Cartesian receptor grids were used to represent nearby sensitive land uses. The Cartesian receptor grids were placed at each sensitive use with a built in 25-meter spacing for the nearby residential uses.

9000 Airport
Appendix C-1.2-Air Quality Worksheets

- Appendix C-1.2: Air Quality Worksheets
    - Summary of Air Pollutant Emissions
    - Summary of Construction Assumptions
    - CO Hotspots
    - Onsite Emissions Summary
    - Onsite Emissions
        - Operational Truck Trips
        - Cargo Handling Equipment
        - Emergency Generator
        - Road Dust
    - Operational Localized Pollutant Concentrations
    - AERMOD Outputs
    - Gibson Truck Trip Memo

AQ SUMMARY OF EMISSIONS WINTER (Option 1)

Construction Emissions (Unmitigated)

Regional (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	3	28	45	<1	4	1
2027	27	27	44	<1	4	1
MAX	27	28	45	<1	4	1
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(48)**	**(72)**	**(505)**	**(150)**	**(146)**	**(54)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**

Localized (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		27	38		2	<1
2027		25	38		2	<1
MAX		27	38		2	<1
Threshold		165	1796		15	8
Difference		**(138)**	**(1,758)**		**(13)**	**(7)**
Impact		**No**	**No**		**No**	**No**

Construction Emissions (With Project Design Features)

Regional (Daily) Mitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	1	15	48	<1	2	<1
2027	25	15	47	<1	2	<1
MAX	25	15	48	<1	2	<1
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(50)**	**(85)**	**(502)**	**(150)**	**(148)**	**(54)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**
Percent Reduction:	-7%	-46%	7%	0%	-44%	-55%

Localized (Daily) Mitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		14	41		<1	<1
2027		14	41		<1	<1
MAX		14	41		<1	<1
Threshold		165	1796		15	8
Difference		**(151)**	**(1,755)**		**(15)**	**(8)**
Impact		**No**	**No**		**No**	**No**
Percent Reduction:		-48%	8%		-82%	-79%

Operation Emissions (Without Project Design Features)

Existing Regional Emissions (Existing Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	1					
Energy	<1	<1	<1	<1	<1	<1
Mobile	19	15	142	<1	29	8
Emergency Generator						
Total	20	15	142	<1	29	8

Existing Regional Emissions (Buidout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	1					
Energy	<1	<1	<1	<1	<1	<1
Mobile	16	12	122	<1	29	8
Emergency Generator						
Total	17	13	122	<1	29	8

Project Regional Emissions (Buildout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	11					
Energy						
Mobile (Passenger Vehicles)	*5*	*3*	*43*	*<1*	*11*	*3*
Mobile (Trucks)	*1*	*37*	*25*	*<1*	*12*	*4*
Mobile (Forklifts)	*<1*	*16*	*159*	*<1*	*<1*	*<1*
Mobile (Onsite Trucks/TRUs/Yard Trucks)	*<1*	*7*	*6*	*<1*	*<1*	*<1*
Mobile Total	7	63	233	<1	23	6
Emergency Generator	<1	<1	2	<1	<1	<1
Total	17	63	235	<1	23	6

Incremental Regional Emissions (Project Less Existing)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	9					
Energy	-<1	-<1	-<1	-<1	-<1	-<1
Mobile	-10	51	111	0	-6	-1
Emergency Generator	<1	<1	2	<1	<1	<1
Total	(0)	50	112	0	(6)	(1)
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Difference	**(55)**	**(5)**	**(438)**	**(150)**	**(156)**	**(56)**
Impact	No	No	No	No	No	No

Project Localized (Buildout Year)						
Area	9.48	0.00	0.00	0.00	0.00	0.00
Energy	-0.02	-0.36	-0.30	-0.01	-0.03	-0.03
Mobile (Forklifts)	0.00	15.90	159.00	0.00	0.00	0.00
Mobile (Onsite Trucks/TRUs/Yard Trucks)	0.60	7.25	5.98	0.02	0.04	0.04
Emergency Generator	0.09	0.18	1.59	0.00	0.01	0.01
Onsite Total	10.15	22.97	166.27	0.02	0.02	0.02
Threshold		**165**	**1,796**		**4**	**2**
Difference		**(142)**	**(1630)**		**(4)**	**(2)**
Impact		**No**	**No**		**No**	**No**

AQ SUMMARY OF EMISSIONS SUMMER (Option 1)

Construction Emissions (Unmitigated)

Regional (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	4	45	46	<1	15	4
2027	29	46	68	<1	10	3
MAX	29	46	68	<1	15	4
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(46)**	**(54)**	**(482)**	**(150)**	**(135)**	**(51)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**

Localized (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		32	38		11	3
2027		44	59		8	2
MAX		44	59		11	3
Threshold		165	1796		15	8
Difference		**(121)**	**(1,738)**		**(4)**	**(5)**
Impact		**No**	**No**		**No**	**No**

Construction Emissions (With Project Design Features)

Regional (Daily) Mitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	1	21	49	<1	9	3
2027	26	21	73	<1	4	<1
MAX	26	21	73	<1	9	3
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(49)**	**(79)**	**(478)**	**(150)**	**(141)**	**(52)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**
Percent Reduction:	-11%	-54%	6%	0%	-42%	-37%

Localized (Daily) Mitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		14	43		5	2
2027		19	63		1	<1
MAX	<1	19	63	<1	5	2
Threshold		165	1796		15	8
Difference		**(146)**	**(1,733)**		**(10)**	**(6)**
Impact		**No**	**No**		**No**	**No**
Percent Reduction:		-57%	7%		-57%	-49%

Operation Emissions (Without Project Design Features)

Existing Regional Emissions (Existing Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	1	<1	2	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	19	14	153	<1	29	8
Emergency Generator						
Total	20	14	155	<1	29	8

Existing Regional Emissions (Buidout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	1	<1	2	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	17	11	131	<1	29	8
Emergency Generator						
Total	18	12	133	<1	29	8

Project Regional Emissions (Buildout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	14	<1	19	<1	<1	<1
Energy						
Mobile (Passenger Vehicles)	*5*	*3*	*47*	*<1*	*11*	*3*
Mobile (Trucks)	*1*	*35*	*27*	*<1*	*12*	*4*
Mobile (Forklifts)	*<1*	*16*	*159*	*<1*	*<1*	*<1*
Mobile (Onsite Trucks/TRUs/Yard Trucks)	*<1*	*7*	*6*	*<1*	*<1*	*<1*
Mobile Total	7	61	239	<1	23	6
Emergency Generator	<1	<1	2	<1	<1	<1
Total	21	62	259	<1	23	6

Incremental Regional Emissions (Project Less Existing)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	12	<1	17	<1	<1	<1
Energy	-<1	-<1	-<1	-<1	-<1	-<1
Mobile	-10	50	108	0	-6	-1
Emergency Generator	<1	<1	2	<1	<1	<1
Total	3	50	126	0	-6	-1
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Difference	**(52)**	**(5)**	**(424)**	**(150)**	**(156)**	**(56)**
Impact	No	No	No	No	No	No

Project Localized (Buildout Year)						
Area	12.31	0.15	17.25	0.00	0.03	0.03
Energy	-0.02	-0.36	-0.30	-0.01	-0.03	-0.03
Mobile (Forklifts)	0.00	15.90	159.00	0.00	0.00	0.00
Mobile (Onsite Trucks/TRUs/Yard Trucks)	0.60	7.25	5.98	0.02	0.04	0.04
Emergency Generator	0.09	0.18	1.59	0.00	0.01	0.01
Onsite Total	12.98	23.12	183.52	0.02	0.05	0.05
Threshold		**165**	**1,796**		**4**	**2**
Difference		**(142)**	**(1,612)**		**(4)**	**(2)**
Impact		**No**	**No**		**No**	**No**

AQ SUMMARY OF EMISSIONS WINTER (Option 2)

Construction Emissions (Unmitigated)

Regional (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	3	28	45	<1	4	1
2027	25	27	44	<1	4	1
MAX	25	28	45	<1	4	1
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(50)**	**(72)**	**(505)**	**(150)**	**(146)**	**(54)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**

Construction Emissions (With Project Design Features)

Regional (Daily) Mitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	1	14	48	<1	2	<1
2027	23	14	48	<1	2	<1
MAX	23	14	48	<1	2	<1
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(52)**	**(86)**	**(502)**	**(150)**	**(148)**	**(54)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**
Percent Reduction:	-8%	-50%	8%	0%	-46%	-60%

Localized (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		27	38		2	<1
2027		25	38		2	<1
MAX		27	38		2	<1
Threshold		165	1796		15	8
Difference		**(138)**	**(1,758)**		**(13)**	**(7)**
Impact		**No**	**No**		**No**	**No**

Localized (Daily) Mitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		13	42		<1	<1
2027		13	42		<1	<1
MAX		13	42		<1	<1
Threshold		165	1796		15	8
Difference		**(152)**	**(1,755)**		**(15)**	**(8)**
Impact		**No**	**No**		**No**	**No**
Percent Reduction:		-52%	10%		-86%	-87%

Operation Emissions (Without Project Design Features)

Existing Regional Emissions (Existing Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	1					
Energy	<1	<1	<1	<1	<1	<1
Mobile	19	15	142	<1	29	8
Emergency Generator						
Total	20	15	142	<1	29	8

Existing Regional Emissions (Buidout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	1					
Energy	<1	<1	<1	<1	<1	<1
Mobile	16	12	122	<1	29	8
Emergency Generator						
Total	17	13	122	<1	29	8

Project Regional Emissions (Buildout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	10					
Energy						
Mobile (Passenger Vehicles)	*4*	*2*	*33*	*<1*	*8*	*2*
Mobile (Trucks)	*1*	*37*	*25*	*<1*	*12*	*4*
Mobile (Forklifts)	*<1*	*16*	*159*	*<1*	*<1*	*<1*
Mobile (Onsite Trucks/TRUs/Yard Trucks)	*<1*	*7*	*5*	*<1*	*<1*	*<1*
Mobile Total	6	62	222	<1	20	6
Emergency Generator	<1	<1	2	<1	<1	<1
Total	16	62	224	<1	20	6

Incremental Regional Emissions (Project Less Existing)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	9	<1	<1	<1	<1	<1
Energy	-<1	-<1	-<1	-<1	-<1	-<1
Mobile	-10	49	100	0	-9	-2
Emergency Generator	<1	<1	2	<1	<1	<1
Total	-1	49	101	0	-9	-2
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Difference	**(56)**	**(6)**	**(449)**	**(150)**	**(159)**	**(57)**
Impact	No	No	No	No	No	No

Project Localized (Buildout Year)						
Area	9	0	0	0	0	0
Energy	0	0	0	0	0	0

AQ SUMMARY OF EMISSIONS SUMMER (Option 2)

Construction Emissions (Unmitigated)

Regional (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	6	62	66	<1	24	6
2027	28	46	68	<1	10	3
MAX	28	62	68	<1	24	6
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(47)**	**(38)**	**(482)**	**(150)**	**(126)**	**(49)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**

Construction Emissions (With Project Design Features)

Regional (Daily) Mitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	2	35	70	<1	11	3
2027	24	20	73	<1	4	<1
MAX	24	35	73	<1	11	3
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(51)**	**(65)**	**(477)**	**(150)**	**(139)**	**(52)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**
Percent Reduction:	-13%	-44%	7%	0%	-55%	-43%

Localized (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		45	52		20	5
2027		44	59		8	2
MAX		45	59		20	5
Threshold		165	1796		15	8
Difference		**(120)**	**(1,738)**		**5**	**(3)**
Impact		**No**	**No**		**Yes**	**No**

Note: Exceedance is for screening purposes for a 5 acre site.

Localized (Daily) Mitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		23	57		6	2
2027		18	63		1	<1
MAX		23	63		6	2
Threshold		165	1796		15	8
Difference		**(142)**	**(1,733)**		**(9)**	**(6)**
Impact		**No**	**No**		**No**	**No**
Percent Reduction:		-49%	8%		-68%	-56%

Operation Emissions (Without Project Design Features)

Existing Regional Emissions (Existing Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	1	<1	2	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	19	14	153	<1	29	8
Emergency Generator						
Total	20	14	155	<1	29	8

Existing Regional Emissions (Buidout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	1	<1	2	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	17	11	131	<1	29	8
Emergency Generator						
Total	18	12	133	<1	29	8

Project Regional Emissions (Buildout Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	13	<1	18	<1	<1	<1
Energy						
Mobile (Passenger Vehicles)	*4*	*2*	*35*	*<1*	*8*	*2*
Mobile (Trucks)	*1*	*35*	*27*	*<1*	*12*	*4*
Mobile (Forklifts)	*<1*	*16*	*159*	*<1*	*<1*	*<1*
Mobile (Onsite Trucks/TRUs/Yard Trucks)	*<1*	*7*	*5*	*<1*	*<1*	*<1*
Mobile Total	6	60	226	<1	20	6
Emergency Generator	<1	<1	2	<1	<1	<1
Total	19	60	246	<1	20	6

Incremental Regional Emissions (Project Less Existing)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	12	<1	16	<1	<1	<1
Energy	-<1	-<1	-<1	-<1	-<1	-<1
Mobile	-10	49	95	0	-9	-2
Emergency Generator	<1	<1	2	<1	<1	<1
Total	1	49	113	0	-9	-2
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Difference	**(54)**	**(6)**	**(437)**	**(150)**	**(159)**	**(57)**
Impact	No	No	No	No	No	No

Project Localized (Buildout Year)						
Area	11.51	0.14	16.15	0.00	0.03	0.02
Energy	-0.02	-0.36	-0.30	-0.01	-0.03	-0.03

9000 Airport (Option 1)

Air Quality Analysis Assumptions

									Onsite Truck Activity					
Construction Details	**Start Date**	**End Date**	**Duration (Months)**	**Work Days**	**Max Daily Employee Trips**	**Max Daily Hauls**	**Total Hauls**	**Max Daily Deliveries**	**Total Truck hauls**	**Daily Truck Hauls**	**Paved Distance (one way) (ft)**	**Unpaved Distance (one way) (ft)**	**Paved Speed (mph)**	**Unpaved Speed (mph)**
Overall Duration	**5/1/2026**	**9/1/2027**	**17**	419										
Demolition	5/1/2026	5/31/2026	1	21	20	5	30	-	30	1	500	500	25	25
Grading/Excavation	6/1/2026	6/30/2026	1	22	20	47	791	10	791	57	200	800	25	25
Mat Foundation	n/a													
Building Foundation	7/1/2026	7/31/2026	1	23	26	-	-	100		100	200	800	25	25
Building Construction	8/1/2026	9/1/2027	13	283	120			10		10	200	800	25	25
Paving/Landscape	7/1/2027	9/1/2027	2	45	30			20		50	200	800	25	25

Site Acreage	
	18.4
Demolition Quantities	
Building Square Footage (SF)	32,820
Onsite Asphalt Recycling Quantities	
Parking (SF)	768,248
Parking (spaces)	2,000
Import/Export Quantities during Grading	**(CY)**
Import	9,612
Export	1,460

Landfill Location	**Distance (miles)**
Vulcan Irwindale	30
SoilClean Adelanto	99
Composite	37

Assumes up to 10% of daily hauls could go to Adelanto.

Equipment						
	Demo	**Grading/ Excavation**	**Mat Foundation**	**Foundation**	**Building Construction**	**Paving/ Landscape**
Air Compressor	**1**				**3**	
Aerial Lift					**3**	
Bore/Drill Rig						
Cement and Mortar Mixers				**3**		
Concrete/Industrial Saws				**1**	**2**	
Cranes (Tower)						
Cranes (Mobile)					**1**	
Crawler Tractors					**1**	
Crushing/Proc. Equipment	**1**					
Excavators	**2**	**2**			**2**	
Forklifts				**2**	**2**	
Generator Sets						
Graders		**3**				**1**
Off-Highway Tractors						
Water Truck	**1**	**1**		**1**	**1**	**1**
Pavers						**1**
Paving Equipment						**1**
Pumps				**3**		
Plate Compactors		**3**		**3**		**1**
Rollers		**3**				
Rough Terrain Forklifts					**1**	
Rubber Tired Dozers		**1**				**1**
Rubber Tired Loaders	**2**				**1**	
Scrapers		**1**				
Signal Boards						
Skid Steer Loaders					**1**	**1**
Surfacing Equipment						
Tractors/Loaders/Backhoes	**2**				**2**	
Trenchers					**2**	**1**
Welders				**2**	**2**	
Other ( )						
Total Pieces	**9**	**14**	**0**	**15**	**24**	**8**

9000 Airport (Option 2)

Air Quality Analysis Assumptions

									Onsite Truck Activity					
Construction Details	**Start Date**	**End Date**	**Duration (Months)**	**Work Days**	**Max Daily Employee Trips**	**Max Daily Hauls**	**Total Hauls**	**Max Daily Deliveries**	**Total Truck hauls**	**Daily Truck Hauls**	**Paved Distance (one way) (ft)**	**Unpaved Distance (one way) (ft)**	**Paved Speed (mph)**	**Unpaved Speed (mph)**
Overall Duration	**5/1/2026**	**9/1/2027**	**17**	419										
Demolition	5/1/2026	5/31/2026	1	21	20	5	30	-	30	1	500	500	25	25
Grading/Excavation	6/1/2026	6/30/2026	1	22	20	25	420	10	420	35	200	800	25	25
Mat Foundation	n/a													
Building Foundation	6/16/2026	7/15/2026	1	22	26	-	-	100		100	200	800	25	25
Building Construction	7/1/2026	9/1/2027	14	306	120			10		10	200	800	25	25
Paving/Landscape	7/1/2027	9/1/2027	2	45	30			20		50	200	800	25	25

Site Acreage	
	18.4
Demolition Quantities	
Building Square Footage (SF)	32,820
Onsite Asphalt Recycling Quantities	
Parking (SF)	768,248
Parking (spaces)	2,000
Import/Export Quantities during Grading	**(CY)**
Import	535
Export	5,350

Landfill Location	**Distance (miles)**
Vulcan Irwindale	30
SoilClean Adelanto	99
Composite	37

Assumes up to 10% of daily hauls could go to Adelanto.

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Equipment						
	Demo	**Grading/ Excavation**	**Mat Foundation**	**Foundation**	**Building Construction**	**Paving/ Landscape**
Air Compressor	1				3	
Aerial Lift					3	
Bore/Drill Rig						
Cement and Mortar Mixers				3		
Concrete/Industrial Saws				1	2	
Cranes (Tower)						
Cranes (Mobile)					1	
Crawler Tractors					1	
Crushing/Proc. Equipment	1					
Excavators	2	2			2	
Forklifts				2	2	
Generator Sets						
Graders		3				1
Off-Highway Tractors						
Water Truck	1	1		1	1	1
Pavers						1
Paving Equipment						1
Pumps				3		
Plate Compactors		3		3		1
Rollers		3				
Rough Terrain Forklifts					1	
Rubber Tired Dozers		1				1
Rubber Tired Loaders	2				1	
Scrapers		1				
Signal Boards						
Skid Steer Loaders					1	1
Surfacing Equipment						
Tractors/Loaders/Backhoes	2				2	
Trenchers					2	1
Welders				2	2	
Other ( )						
Total Pieces	9	14	0	15	24	8

9000 Airport Boulevard

CO Hotspots

CO Hotspots Analysis - Maximum Impacted Intersection

	Airport Boulevard and Arbor Vitae Street (Option 1)		Airport Boulevard and Arbor Vitae Street (Option 2)	
	Future with Project		Future with Project	
Direction	AM	PM	AM	PM
Total Intersection Volume	3,345	3,356	3,291	3,302
Max Daily Trips[a]	62,059	47,874	61,058	47,104
Caltrans K Factor (%)[b]	5.39%	7.01%	5.39%	7.01%

[a] Maximum Daily Trips are based on the Caltrans K Factor which is the percentage of the AADT in both directions during the peak hour.

[b] Caltrans K Factor obtained from 405 Freeway Monitoring Station, Postmile 18.629 which is closest to the Project site. Please refer to: https://dot.ca.gov/programs/traffic-operations/census

9000 Airport - Operational Health Risk Assessment

Criteria Pollutant Emissions Summary

Option 1	PM	TOG	NOx	CO	PM2.5	SOx
Total Truck Emissions	0.02	0.37	6.27	4.55	0.02	0.01
Total TRU Emissions	0.01	0.03	0.20	0.30	0.01	0.00
Road Dust	0.64				0.16	
Total Emergency Generator Emissions	0.00	0.03	0.06	0.53	0.00	0.00
Total Onsite Equipment Emissions	0.02	0.20	0.78	0.60	0.01	0.00
Total On-site Emissions	0.68	0.63	7.31	5.98	0.20	0.02
Exhaust PM Only	0.04				0.04	
Option 2	**PM**	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**
Total Truck Emissions	0.02	0.33	5.74	4.11	0.02	0.01
Total TRU Emissions	0.01	0.03	0.20	0.30	0.01	0.00
Onsite Road Dust	0.61				0.15	
Total Emergency Generator Emissions	0.01	0.09	0.18	1.59	0.01	0.00
Total Onsite Equipment Emissions	0.02	0.20	0.78	0.60	0.01	0.00
Total On-site Emissions	0.65	0.65	6.91	6.60	0.19	0.02
Exhaust PM Only	0.05				0.04	

9000 Airport - Operational Emissions Onsite

Vehicle Emissions - Option 1

Daily Trips[1]

Vehicle Cateogry	Total	% Diesel[2]	Diesel Trips	Non-Diesel Trips
2-axle Trucks	98	49%	48	50
3-axle Trucks	121	68%	83	38
4+ axle Trucks	366	100%	366	0
Total Trucks	**585**			

Trip Distribution - Diesel

			Daily Trips				Daily VMT		
Travel Path	Distance (mi)[3]	% Distribution[4]	LDA / LDT	2-Axle	3-Axle	4+-Axle	LDA / LDT	2-Axle	3-Axle	4+-Axle
Onsite Truck Travel										
West Truck - Ingress/Egress	0.185	100%		48	83	366		8.9	15.4	67.7
West Truck - Maneuvering	0.100	100%		48	83	366		4.8	8.3	36.6
Offsite Truck Travel										
North Truck - Offsite	0.457	30%		14	25	110		6.6	11.4	50.1
South Truck - Offsite	0.418	20%		10	17	73		4.0	6.9	30.6
East Truck - Offsite	0.908	30%		14	25	110		13.1	22.6	99.7
West Truck - Offsite	0.594	20%		10	17	73		5.7	9.9	43.5

Emission Factors - Diesel[5]

On-site Travel					Travel						Idle					
Type	Year	Vehicle Class	Speed (mph)	Fuel	PM (g/mi)	TOG (g/mi)	NOx (g/mi)	CO (g/mi)	PM2.5 (g/mi)	SOx (g/mi)	PM (g/hr)	TOG (g/hr)	NOx (g/hr)	CO (g/mi)	PM2.5 (g/mi)	SOx (g/mi)
2-axle Trucks	2027	LHDT2	10	DSL	0.05	0.26	1.11	0.66	0.05	0.01	0.81	3.61	42.56	26.30	0.78	0.05
3-axle Trucks	2027	MHDT	10	DSL	0.02	0.00	2.29	0.29	0.02	0.02	0.04	0.67	31.94	20.98	0.04	0.06
4+ axle Trucks	2027	HHDT	10	DSL	0.01	0.08	7.83	0.67	0.01	0.02	0.01	2.69	27.32	34.61	0.01	0.05
On-site Maneuvering																
Type	Year	Vehicle Class	Speed (mph)	Fuel	PM (g/mi)	TOG (g/mi)	NOx (g/mi)	CO (g/mi)	PM2.5 (g/mi)	SOx (g/mi)						
2-axle Trucks	2027	LHDT2	5	DSL	0.06	0.31	1.27	0.83	0.06	0.01						
3-axle Trucks	2027	MHDT	5	DSL	0.03	0.00	3.07	0.43	0.02	0.02						
4+ axle Trucks	2027	HHDT	5	DSL	0.01	0.14	10.89	1.07	0.01	0.03						

9000 Airport - Operational Emissions Onsite

Vehicle Emissions - Option 1

Emissions Calculations

On-site Travel			Travel Emissions (lbs/day)						Idle Emissions (lbs/day)[6]					
Type	**Daily VMT**	**Daily Trips**	**PM**	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**	**PM**	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**
2-axle Trucks	8.9	48	9.5E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0
3-axle Trucks	15.4	83	6.9E-04	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.0	0.0
4+ axle Trucks	67.7	366	1.8E-03	0.0	1.2	0.1	0.0	0.0	0.0	0.3	2.8	3.5	0.0	0.0
On-site Maneuvering	**Daily VMT**		**PM**	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**						
2-axle Trucks	4.8		6.3E-04	0.0	0.0	0.0	0.0	0.0						
3-axle Trucks	8.3		4.7E-04	0.0	0.1	0.0	0.0	0.0						
4+ axle Trucks	36.6		1.1E-03	0.0	0.9	0.1	0.0	0.0						
Total Truck Emissions			**1.9E-02**	**3.7E-01**	**6.3E+00**	**4.5E+00**	**1.8E-02**	**1.5E-02**						

Transportation Refrigeration Unit (TRU)

		TRU Emission Factors (lbs/hr)[7]					
		NOx	**PM2.5**	**PM10**	**TOG**	**CO**	**SOx**
TRU Operation Time per Truck (hrs)	1	0.024	0.001	0.001	0.004	0.036	0.000
Daily Number of Trucks with TRU[8]	**8**						
Daily TRU Hours	8						

	TRU Emissions (lbs/day)					
	PM	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**
Total TRU Emissions	0.0075	0.0343	0.204	0.3019	0.0069	0

Emergency Generator and Onsite Equipment Emissions

	Emissions (lbs/day)					
	PM	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**
Total Emergency Generator Emissions	0.002	0.029	0.061	0.530	0.002	0.001
Total Onsite Equipment Emissions	0.015	0.198	0.776	0.599	0.014	0.002
Total Onsite Emissions	**4.3E-02**	**0.6**	**7.3**	**6.0**	**0.0**	**0.0**

[1] Truck Trip Estimates for 9000 Airport Boulevard Los Angeles, California. Gibson Transportation Consulting. January 28, 2025

[2] Television City Truck Trips Memorandum and EMFAC2021 Fleet Mix for Los Angeles County, Year 2027

[3] Measured using Google Earth

[4] Gibson Transportation Consulting, January 16, 2025

[5] CARB EMFAC2021, South Coast Air Basin, Year 2027

[6] Assumes each truck idles for 15 minutes per visit

[7] CARB Draft Transportation Refrigeration Unit Emissions Inventory, 2019.

[8] High-Cube Warehouse Vehicle Trip Generation Analysis. Institute of Transportation Engineers. October 2016.

9000 Airport - Operational Emissions Onsite

Vehicle Emissions - Option 2

Daily Trips[1]

Vehicle Cateogry	Percent	Total	% Diesel[b]	Diesel Trips	Non-Diesel Trips
Passenger Vehicles	72.5%	1,917	0.2%	4	1,913
2-axle Trucks	4.6%	88	49%	44	44
3-axle Trucks	5.7%	109	68%	74	35
4+ axle Trucks	17.2%	330	100%	330	0
Total Trucks		527			

Trip Distribution - Diesel

			Daily Trips				Daily VMT			
Travel Path	Distance (mi)	% Distribution	LDA / LDT	2-Axle	3-Axle	4+-Axle	LDA / LDT	2-Axle	3-Axle	4+-Axle
Onsite Truck Travel										
North Truck - Ingress/Egress	0.125	50%		22	37	165		2.7	4.6	20.5
North Truck - Maneuvering	0.100	50%		22	37	165		2.2	3.7	16.5
South Truck - Ingress/Egress	0.276	50%		22	37	165		6.1	10.2	45.6
South Truck - Maneuvering	0.100	50%		22	37	165		2.2	3.7	16.5
Offsite Truck Travel										
North Truck - Offsite	0.457	30%		13	22	99		6.0	10.1	45.2
South Truck - Offsite	0.418	20%		9	15	66		3.7	6.2	27.6
East Truck - Offsite	0.908	30%		13	22	99		12.0	20.2	89.9
West Truck - Offsite	0.594	20%		9	15	66		5.2	8.8	39.2

Emission Factors - Diesel[5]

On-site Travel					Travel						Idle					
Type	Year	Vehicle Class	Speed (mph)	Fuel	PM (g/mi)	TOG (g/mi)	NOx (g/mi)	CO (g/mi)	PM2.5 (g/mi)	SOx (g/mi)	PM (g/hr)	TOG (g/hr)	NOx (g/hr)	CO (g/mi)	PM2.5 (g/mi)	SOx (g/mi)
2-axle Trucks	2027	LHDT2	10	DSL	0.05	0.26	1.11	0.66	0.05	0.01	0.81	3.61	42.56	26.30	0.78	0.05
3-axle Trucks	2027	MHDT	10	DSL	0.02	0.00	2.29	0.29	0.02	0.02	0.04	0.67	31.94	20.98	0.04	0.06
4+ axle Trucks	2027	HHDT	10	DSL	0.01	0.08	7.83	0.67	0.01	0.02	0.01	2.69	27.32	34.61	0.01	0.05

On-site Maneuvering										
Type	Year	Vehicle Class	Speed (mph)	Fuel	PM (g/mi)	TOG (g/mi)	NOx (g/mi)	CO (g/mi)	PM2.5 (g/mi)	SOx (g/mi)
2-axle Trucks	2027	LHDT2	5	DSL	0.06	0.31	1.27	0.83	0.06	0.01
3-axle Trucks	2027	MHDT	5	DSL	0.03	0.00	3.07	0.43	0.02	0.02
4+ axle Trucks	2027	HHDT	5	DSL	0.01	0.14	10.89	1.07	0.01	0.03

9000 Airport - Operational Emissions Onsite

Vehicle Emissions - Option 2

Emissions Calculations

On-site Travel			Travel Emissions (lbs/day)						Idle Emissions (lbs/day)[6]					
Type	**Daily VMT**	**Daily Trips**	**PM**	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**	**PM**	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**
2-axle Trucks	8.8	44	9.4E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0
3-axle Trucks	14.8	74	6.6E-04	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0
4+ axle Trucks	66.1	330	1.7E-03	0.0	1.1	0.1	0.0	0.0	0.0	0.2	2.5	3.1	0.0	0.0
On-site Maneuvering	**Daily VMT**		**PM**	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**						
2-axle Trucks	4.4		5.8E-04	0.0	0.0	0.0	0.0	0.0						
3-axle Trucks	7.4		4.2E-04	0.0	0.1	0.0	0.0	0.0						
4+ axle Trucks	33.0		1.0E-03	0.0	0.8	0.1	0.0	0.0						
Total Truck Emissions			**1.7E-02**	**3.3E-01**	**5.7E+00**	**4.1E+00**	**1.7E-02**	**1.3E-02**						

Transportation Refrigeration Unit (TRU)

		TRU Emission Factors (lbs/hr)[7]					
		NOx	**PM2.5**	**PM10**	**TOG**	**CO**	**SOx**
TRU Operation Time per Truck (hrs)	1	0.024	0.001	0.001	0.004	0.036	0.000
Daily Number of Trucks with TRU[8]	8						
Daily TRU Hours	8						

	TRU Emissions (lbs/day)					
	PM	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**
Total TRU Emissions	0.0075	0.0343	0.204	0.3019	0.0069	0

Emergency Generator Emissions

	Emissions (lbs/day)					
	PM	**TOG**	**NOx**	**CO**	**PM2.5**	**SOx**
Total Emergency Generator Emissions	0.006	0.086	0.184	1.591	0.006	0.003
Total Onsite Equipment Emissions	0.015	0.198	0.776	0.599	0.014	0.002
Total Onsite Emissions	**4.6E-02**	**0.7**	**6.9**	**6.6**	**0.0**	**0.0**

[1] Truck Trip Estimates for 9000 Airport Boulevard Los Angeles, California. Gibson Transportation Consulting. January 28, 2025

[2] Television City Truck Trips Memorandum and EMFAC2021 Fleet Mix for Los Angeles County, Year 2027

[3] Measured using Google Earth

[4] Gibson Transportation Consulting, January 16, 2025

[5] CARB EMFAC2021, South Coast Air Basin, Year 2027

[6] Assumes each truck idles for 15 minutes per visit

[7] CARB Draft Transportation Refrigeration Unit Emissions Inventory, 2019.

[8] High-Cube Warehouse Vehicle Trip Generation Analysis. Institute of Transportation Engineers. October 2016.

9000 Airport - Operational Health Risk Assessment

Onsite Equpment Emissions

Operational Schedule

Days per Year	365

Onsite Equipment - Operations

Equpment	Fuel	Number	Hours per Day
Yard Trucks	Diesel	2	4

Emission Factors[1]

Equpment	PM10 (lbs/hr)	VOC (lbs/hr)	NOx (lbs/hr)
Yard Trucks	0.00188	0.013	0.097

Emissions

Equpment	PM10 (lbs/year)	VOC (lbs/year)	NOx (lbs/day)
Yard Trucks	5.5	37.8	0.8
Total	**5.5**	**37.8**	**0.8**

Criteria Pollutant Emissions Calculations

Emission Factors[1]

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	ROG (lbs/hr)	TOG (lbs/hr)	CO (lbs/hr)	NOx (lbs/hr)	CO2 (lbs/hr)	PM10 (lbs/hr)	PM2.5 (lbs/hr)	SOX (lbs/hr)
South Coast	2027	Cargo Handling Equipment - Port Yard Truck	Aggregate	300	Diesel	1.29E-02	2.48E-02	7.49E-02	9.70E-02	3.91E+01	1.88E-03	1.75E-03	2.96E-04
Hours per Day	8												
Emissions per Day						**1.03E-01**	**1.98E-01**	**5.99E-01**	**7.76E-01**	**3.13E+02**	**1.51E-02**	**1.40E-02**	**2.37E-03**

[1] OFFROAD2021. Port Yard Truck. South Coast Air Basin, Year 2027

9000 Airport

Emergency Generator - Emissions Calculations

Annual Emissions Calculations (DPM for HRA)

Emergency Generator - Diesel (HP Rating)	500
Load Factor	0.74
Hours per year	200
Emission Factor (g/hp-hr)[1]	0.01
Emissions per Year (lbs)	**1.63**

Dailiy Emissions Calculations (Criteria Pollutants)

Hours per day[2]	0.25							
		TOG	ROG	NOx	CO	SO2	PM10	PM2.5
Emission Factor (g/hp-hr)[3]		0.14	0.14	0.30	2.60	0.00	0.01	0.01
Dailiy Emissions (lbs/day)		**0.029**	**0.029**	**0.061**	**0.530**	**0.001**	**0.002**	**0.002**

[1] Based on SCAQMD Rule 1470 emission factors for PM (0.01 g/hp-hr)

[2] Assumes one test per day, 15 minutes per test

[3] Based on CalEEMod default emission factors and SCAQMD Rule 1470 for PM

On-site Haul Road Emission Factors

Paved Road Dust Emission Factors

AP-42 Emission Factor Equation

[k(sL)^0.91 x (W)^1.02] x (1- P/4N)

PM10

Parameter	Value	Units
particle size multiplier (k)	1	
road stuface silt loading (sL)	0.1	
average weight (W)[1]	17.5	tons
number of "wet" days (P)	16.8	days
number of days in averaging period (N)	365	days
Emission Factor[2]	**2.046**	g/mi

PM2.5

Parameter	Value	Units
particle size multiplier (k)	0.25	
road stuface silt loading (sL)	0.1	
average weight (W)[1]	17.5	tons
number of "wet" days (P)	33	days
number of days in averaging period (N)	365	days
Emission Factor[2]	**0.506**	g/mi

	Option 1	Option 2
Daily VMT	141.7	134.6
PM10 Emission Factor (g/mi)	2.046	2.046
PM10 Emission Rate (lbs/day)	**0.6**	**0.6**
PM2.5 Emission Factor (g/mi)	0.506	0.506
PM2.5 Emission Rate (lbs/day)	**0.2**	**0.2**

[1] Average weight of trucks travelling to and from the site

[2] Includes 9% reduction in emissions resulting from street sweeping

Average Vehicle Weight Calculations

Vehicle Category	Option 1	Option 2	Vehicle Class	Average Weight (lbs)
2-axle Trucks	98	88	LHDT2	12,000
3-axle Trucks	121	109	MHDT	23,000
4+ axle Trucks	366	330	HHDT	45,000
Total	585	527		
Average Vehicle Weight (lbs)	**17.5**	**17.5**		

9000 Airport

Construction Dispersion Modeling (AERMOD) Outputs - Option 1

CalEEMod Output (lbs/day)

	TOG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
3.2. Demolition (2026) - Mitigated	0.5	4.39	30.22	0.04	0.09	1.57	1.66	0.09	0.22	0.31
3.4. Grading (2026) - Mitigated	0.84	7.55	42.83	0.06	**0.16**	**4.58**	4.74	**0.16**	**1.53**	1.69
3.6. Building Foundation (2026) - Mitigated	0.8	10.25	14.16	0.03	0.18	1.7	1.88	0.17	0.17	0.34
3.8. Building Construction (2026) - Mitigated	0.97	13.69	40.92	0.06	0.19	0.17	0.36	0.18	0.02	0.2
3.10. Building Construction (2027) - Mitigated	0.95	**13.49**	**40.92**	0.06	0.18	0.17	0.35	0.17	0.02	0.19
3.12. Paving (2027) - Mitigated	0.73	**5.34**	**21.68**	0.03	0.07	0.85	0.92	0.07	0.09	0.16
3.14. Architectural Coating (2027) - Mitigated	23.6	0	0	0	0	0	0	0	0	0
Max	23.6	18.83	62.6	0.06	0.19	4.58	4.74	0.18	1.53	1.69

CalEEMod Output (tons/year)

	TOG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
2026					**0.01**	**0.09**	0.11			
2027					0.02	0.03	0.05			

Concentration Calculation

Scaler Concentrations (ug/m3)	Exhaust	Fugitive
1-hr	117.46	
24-hr	19.79	39.36
Annual	9.55	10.6
8-hr	54.09	72.73

Emissions (lbs/day)	Exhaust	Fugitive	From CalEEMod Output Above
NOx	18.83	0	
PM10	0.19	4.58	
PM2.5	0.18	1.53	
PM10 (Annual)	0.05	0.49	
CO	62.60	0.00	

Emissions (g/s)	Exhaust	Fugitive	8-hours per day
NOx	0.30		
PM10	0.00	0.07	
PM2.5	0.00	0.02	
PM10 (Annual)	0.00	0.01	
CO	0.99	0.00	

9000 Airport

Construction Dispersion Modeling (AERMOD) Outputs - Option 1

Concentrations (ug/m3)	Exhaust	Fugitive	Total
1-hr NO2	34.83		34.83
Annual NO2	2.83		2.83
24-hr PM10	0.06	2.84	2.90
24-hr PM2.5	0.06	0.95	1.00
Annual PM10	0.01	0.08	0.09
1-hr CO	115.79		115.79
8-hr CO	53.33		53.33

Threshold Comparison

Parameter	NO2 - Annual	NO2 - 1hr	NO2 - 1hr 98th percentile	PM10 - 24hr	PM10 - Annual	PM2.5 - 24hr	CO - 1hr	CO - 8hr
Concentration (ug/m3)	2.8	34.8	34.8	2.9	0.1	1.00	115.79	53.33
Ambient (ppm)	0.011	0.063	0.048				1.7	1.5
Ambient (ug/m3)	21	118	89				1,955	1,725
Total (ug/m3)	24	153	124	3	0.1	1.0	2,071	1,778
Threshold (ug/m3)	57	339	188	10.4	1	10.4	23,000	10,000
Over/(Under)	(33)	(186)	(64)	(8)	(0.91)	(9.40)	(20,929)	(8,222)
Exceed Threshold?	No	No	No	No	No	No	No	No
vs. Threshold	-57%	-55%	-34%	-72%	-91%	-90%	-91%	-82%

9000 Airport

Construction Dispersion Modeling (AERMOD) Outputs - Option 2

CalEEMod Output (lbs/day)

	TOG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
3.2. Demolition (2026) - Mitigated	0.5	4.39	30.22	0.04	0.09	1.57	1.66	0.09	0.22	0.31
3.4. Grading (2026) - Mitigated	0.82	6.91	42.36	0.06	0.16	4.19	4.36	0.16	1.49	1.65
3.6. Building Foundation (2026) - Mitigated	0.8	10.25	14.16	0.03	0.18	1.7	1.88	0.17	0.17	0.34
3.8. Building Construction (2026) - Mitigated	0.73	12.59	41.42	0.06	0.11	0.17	0.28	0.11	0.02	0.13
3.10. Building Construction (2027) - Mitigated	0.73	12.59	41.42	0.06	0.11	0.17	0.28	0.11	0.02	0.13
3.12. Paving (2027) - Mitigated	0.77	5.34	21.68	0.03	0.07	0.85	0.92	0.07	0.09	0.16
3.14. Architectural Coating (2027) - Mitigated	22.3	0	0	0	0	0	0	0	0	0
Max	22.3	22.84	63.1	0.06	0.18	4.19	4.36	0.17	1.49	1.65

CalEEMod Output (tons/year)

	TOG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
2026					**0.01**	**0.09**	0.1			
2027					0.01	0.03	0.04			

Concentration Calculation

Scaler Concentrations (ug/m3)	Exhaust	Fugitive
1-hr	117.46	
24-hr	19.79	39.36
Annual	9.55	10.6
8-hr	54.09	72.73

Emissions (lbs/day)	Exhaust	Fugitive
NOx	22.84	0
PM10	0.18	4.19
PM2.5	0.17	1.49
PM10 (Annual)	0.05	0.49
CO	63.10	0.00

From CalEEMod Output Above

9000 Airport

Construction Dispersion Modeling (AERMOD) Outputs - Option 2

Emissions (g/s)	Exhaust	Fugitive	8-hours per day
NOx	0.36		
PM10	0.00	0.07	
PM2.5	0.00	0.02	
PM10 (Annual)	0.00	0.01	
CO	0.99	0.00	

Concentrations (ug/m3)	Exhaust	Fugitive	Total
1-hr NO2	42.25		42.25
Annual NO2	3.43		3.43
24-hr PM10	0.06	2.60	2.65
24-hr PM2.5	0.05	0.92	0.98
Annual PM10	0.01	0.08	0.09
1-hr CO	116.72		116.72
8-hr CO	53.75		53.75

Threshold Comparison

Parameter	**NO2 - Annual**	**NO2 - 1hr**	**NO2 - 1hr 98th percentile**	**PM10 - 24hr**	**PM10 - Annual**	**PM2.5 - 24hr**	**CO - 1hr**	**CO - 8hr**
Concentration (ug/m3)	3.4	42.2	42.2	2.7	0.1	0.98	116.72	53.75
Ambient (ppm)	0.011	0.063	0.048				1.7	1.5
Ambient (ug/m3)	21	118	89				1,955	1,725
Total (ug/m3)	25	161	132	3	0.1	1.0	2,072	1,779
Threshold (ug/m3)	57	339	188	10.4	1	10.4	23,000	10,000
Over/(Under)	(32)	(178)	(56)	(8)	(0.91)	(9.42)	(20,928)	(8,221)
Exceed Threshold?	No	No	No	No	No	No	No	No
vs. Threshold	-56%	-53%	-30%	-74%	-91%	-91%	-91%	-82%

9000 Airport

Operations Dispersion Modeling (AERMOD) Outputs - Option 1

Concentration Calculation

Scaler Concentrations (ug/m3)	Exhaust	Fugitive
1-hr	132.2	
24-hr	77.8	146.4
Annual	48.2	53.3
8-hr	110.6	

Emissions (lbs/day)	Exhaust	Fugitive
NOx	23.12	0.0
PM10	0.04	0.6
PM2.5	0.04	0.2
PM10 (Annual)	0.04	0.64
CO	183.52	0.0

Emissions (g/s)	Exhaust	Fugitive
NOx	0.12	
PM10	0.0002	0.003
PM2.5	0.0002	0.001
PM10 (Annual)	0.0002	0.003
CO	0.96	

Concentrations (ug/m3)	Exhaust	Fugitive	Total
1-hr NO2	16.05		16.05
Annual NO2	5.85		5.85
24-hr PM10	0.02	0.49	0.51
24-hr PM2.5	0.02	0.12	0.14
Annual PM10	0.01	0.18	0.19
1-hr CO	127.38		127.38
8-hr CO	106.59		106.59

Threshold Comparison

Parameter	NO2 - Annual	NO2 - 1hr	NO2 - 1hr 98th percentile	PM10 - 24hr	PM10 - Annual	PM2.5 - 24hr	CO - 1hr	CO - 8hr
Concentration (ug/m3)	5.9	16.0	16.0	0.5	0.2	0.14	127.38	106.59
Ambient (ppm)	0.011	0.063	0.048				1.7	1.5
Ambient (ug/m3)	21	118	89				1,955	1,725
Total (ug/m3)	27	134	105	1	0.2	0.1	2,082	1,832
Threshold (ug/m3)	57	339	188	10.4	1	10.4	23,000	10,000
Over/(Under)	(30)	(205)	(83)	(10)	(0.81)	(10.26)	(20,918)	(8,168)
Exceed Threshold?	No	No	No	No	No	No	No	No
vs. Threshold	-52%	-60%	-44%	-95%	-81%	-99%	-91%	-82%

9000 Airport

Operations Dispersion Modeling (AERMOD) Outputs - Option 2

Concentration Calculation

Scaler Concentrations (ug/m3)	Exhaust	Fugitive
1-hr	132.2	
24-hr	77.8	146.4
Annual	48.2	53.3
8-hr	110.6	

Emissions (lbs/day)	Exhaust	Fugitive
NOx	22.58	0.0
PM10	0.05	0.6
PM2.5	0.04	0.2
PM10 (Annual)	0.05	0.61
CO	181.45	0.0

Emissions (g/s)	Exhaust	Fugitive
NOx	0.119	
PM10	0.0003	0.003
PM2.5	0.0002	0.001
PM10 (Annual)	0.0003	0.003
CO	0.952	0.000

Concentrations (ug/m3)	Exhaust	Fugitive	Total
1-hr NO2	15.67		15.67
Annual NO2	5.72		5.72
24-hr PM10	0.02	0.47	0.49
24-hr PM2.5	0.02	0.12	0.13
Annual PM10	0.01	0.17	0.18
1-hr CO	125.94		125.94
8-hr CO	105.39		105.39

Threshold Comparison

Parameter	NO2 - Annual	NO2 - 1hr	NO2 - 1hr 98th percentile	PM10 - 24hr	PM10 - Annual	PM2.5 - 24hr	CO - 1hr	CO - 8hr
Concentration (ug/m3)	5.7	15.7	15.7	0.5	0.2	0.13	125.94	105.39
Ambient (ppm)	0.011	0.063	0.048				1.7	1.5
Ambient (ug/m3)	21	118	89				1,955	1,725
Total (ug/m3)	27	134	105	0	0.2	0.1	2,081	1,830
Threshold (ug/m3)	57	339	188	10.4	1	10.4	23,000	10,000
Over/(Under)	(30)	(205)	(83)	(10)	(0.82)	(10.27)	(20,919)	(8,170)
Exceed Threshold?	No	No	No	No	No	No	No	No
vs. Threshold	-52%	-60%	-44%	-95%	-82%	-99%	-91%	-82%

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** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 1/13/2025
** File: C:\AERMOD\9000 Airport LST\9000 Airport LST.ADI
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**
**
**********************************************
** AERMOD Control Pathway
**********************************************
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2\9000 Airport Opti
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   AVERTIME 1 8 24 PERIOD
   URBANOPT 9663345 Los_Angeles_County
   POLLUTID SCALER
   RUNORNOT RUN
   ERRORFIL "9000 Airport LST.err"
CO FINISHED
**
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** AERMOD Source Pathway
**********************************************
**
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** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = EXHAUST
** DESCRSRC Construction - Exhaust
** PREFIX
** Length of Side = 10.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 5.00
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SRCPARAM L0000140	0.003968254	3.66	4.65	1.16
SRCPARAM L0000141	0.003968254	3.66	4.65	1.16
SRCPARAM L0000142	0.003968254	3.66	4.65	1.16
SRCPARAM L0000143	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000145	0.003968254	3.66	4.65	1.16
SRCPARAM L0000146	0.003968254	3.66	4.65	1.16
SRCPARAM L0000147	0.003968254	3.66	4.65	1.16
SRCPARAM L0000148	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000150	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000155	0.003968254	3.66	4.65	1.16
SRCPARAM L0000156	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000158	0.003968254	3.66	4.65	1.16
SRCPARAM L0000159	0.003968254	3.66	4.65	1.16
SRCPARAM L0000160	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000162	0.003968254	3.66	4.65	1.16
SRCPARAM L0000163	0.003968254	3.66	4.65	1.16
SRCPARAM L0000164	0.003968254	3.66	4.65	1.16
SRCPARAM L0000165	0.003968254	3.66	4.65	1.16
SRCPARAM L0000166	0.003968254	3.66	4.65	1.16
SRCPARAM L0000167	0.003968254	3.66	4.65	1.16
SRCPARAM L0000168	0.003968254	3.66	4.65	1.16
SRCPARAM L0000169	0.003968254	3.66	4.65	1.16
SRCPARAM L0000170	0.003968254	3.66	4.65	1.16
SRCPARAM L0000171	0.003968254	3.66	4.65	1.16
SRCPARAM L0000172	0.003968254	3.66	4.65	1.16
SRCPARAM L0000173	0.003968254	3.66	4.65	1.16
SRCPARAM L0000174	0.003968254	3.66	4.65	1.16
SRCPARAM L0000175	0.003968254	3.66	4.65	1.16
SRCPARAM L0000176	0.003968254	3.66	4.65	1.16
SRCPARAM L0000177	0.003968254	3.66	4.65	1.16
SRCPARAM L0000178	0.003968254	3.66	4.65	1.16
SRCPARAM L0000179	0.003968254	3.66	4.65	1.16
SRCPARAM L0000180	0.003968254	3.66	4.65	1.16
SRCPARAM L0000181	0.003968254	3.66	4.65	1.16
SRCPARAM L0000182	0.003968254	3.66	4.65	1.16
SRCPARAM L0000183	0.003968254	3.66	4.65	1.16
SRCPARAM L0000184	0.003968254	3.66	4.65	1.16
SRCPARAM L0000185	0.003968254	3.66	4.65	1.16
SRCPARAM L0000186	0.003968254	3.66	4.65	1.16
SRCPARAM L0000187	0.003968254	3.66	4.65	1.16
SRCPARAM L0000188	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000191	0.003968254	3.66	4.65	1.16
SRCPARAM L0000192	0.003968254	3.66	4.65	1.16
SRCPARAM L0000193	0.003968254	3.66	4.65	1.16
SRCPARAM L0000194	0.003968254	3.66	4.65	1.16
SRCPARAM L0000195	0.003968254	3.66	4.65	1.16
SRCPARAM L0000196	0.003968254	3.66	4.65	1.16
SRCPARAM L0000197	0.003968254	3.66	4.65	1.16
SRCPARAM L0000198	0.003968254	3.66	4.65	1.16
SRCPARAM L0000199	0.003968254	3.66	4.65	1.16
SRCPARAM L0000200	0.003968254	3.66	4.65	1.16
SRCPARAM L0000201	0.003968254	3.66	4.65	1.16
SRCPARAM L0000202	0.003968254	3.66	4.65	1.16
SRCPARAM L0000203	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000206	0.003968254	3.66	4.65	1.16
SRCPARAM L0000207	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000212	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000218	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000223	0.003968254	3.66	4.65	1.16
SRCPARAM L0000224	0.003968254	3.66	4.65	1.16
SRCPARAM L0000225	0.003968254	3.66	4.65	1.16
SRCPARAM L0000226	0.003968254	3.66	4.65	1.16
SRCPARAM L0000227	0.003968254	3.66	4.65	1.16
SRCPARAM L0000228	0.003968254	3.66	4.65	1.16
SRCPARAM L0000229	0.003968254	3.66	4.65	1.16
SRCPARAM L0000230	0.003968254	3.66	4.65	1.16
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SRCPARAM L0000232	0.003968254	3.66	4.65	1.16
SRCPARAM L0000233	0.003968254	3.66	4.65	1.16
SRCPARAM L0000234	0.003968254	3.66	4.65	1.16
SRCPARAM L0000235	0.003968254	3.66	4.65	1.16
SRCPARAM L0000236	0.003968254	3.66	4.65	1.16
SRCPARAM L0000237	0.003968254	3.66	4.65	1.16
SRCPARAM L0000238	0.003968254	3.66	4.65	1.16

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   SRCPARAM L0000241    0.003968254     3.66     4.65     1.16
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   SRCPARAM L0000246    0.003968254     3.66     4.65     1.16
   SRCPARAM L0000247    0.003968254     3.66     4.65     1.16
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   SRCPARAM L0000249    0.003968254     3.66     4.65     1.16
   SRCPARAM L0000250    0.003968254     3.66     4.65     1.16
   SRCPARAM L0000251    0.003968254     3.66     4.65     1.16
   SRCPARAM L0000252    0.003968254     3.66     4.65     1.16
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   SRCPARAM FUGITIVE    0.0000141433    1.000       4
   AREAVERT FUGITIVE    371978.973 3758130.962 371957.931
3757779.988
   AREAVERT FUGITIVE    372164.139 3757777.463 372176.764
3758125.912
   URBANSRC ALL

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
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   EMISFACT L0000001    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000001    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000003    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000006    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000007    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000008    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000239  HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000239  HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000239  HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
```

```
  EMISFACT L0000240    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000240    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000240    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000240    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000241    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000241    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000241    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000241    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000242    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000242    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000242    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000242    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000243    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000243    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000243    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000243    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000244    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000244    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000244    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000244    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000245    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000245    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000245    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000245    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000246    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000246    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000246    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000246    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000247    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000247    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000247    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000247    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000248    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000248    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000248    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000248    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000249    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000249    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000249    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000249    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000250    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000250    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000250    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000250    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000251    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000251    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000251    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000251    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000252    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000252    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT L0000252    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT L0000252    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT FUGITIVE    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT FUGITIVE    HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT FUGITIVE    HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
  EMISFACT FUGITIVE    HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
  SRCGROUP EXHAUST  L0000001 L0000002 L0000003 L0000004
L0000005 L0000006
  SRCGROUP EXHAUST  L0000007 L0000008 L0000009 L0000010
L0000011 L0000012
  SRCGROUP EXHAUST  L0000013 L0000014 L0000015 L0000016
L0000017 L0000018
  SRCGROUP EXHAUST  L0000019 L0000020 L0000021 L0000022
L0000023 L0000024
  SRCGROUP EXHAUST  L0000025 L0000026 L0000027 L0000028
L0000029 L0000030
  SRCGROUP EXHAUST  L0000031 L0000032 L0000033 L0000034
L0000035 L0000036
  SRCGROUP EXHAUST  L0000037 L0000038 L0000039 L0000040
L0000041 L0000042
  SRCGROUP EXHAUST  L0000043 L0000044 L0000045 L0000046
L0000047 L0000048
  SRCGROUP EXHAUST  L0000049 L0000050 L0000051 L0000052
L0000053 L0000054
  SRCGROUP EXHAUST  L0000055 L0000056 L0000057 L0000058
L0000059 L0000060
  SRCGROUP EXHAUST  L0000061 L0000062 L0000063 L0000064
L0000065 L0000066
  SRCGROUP EXHAUST  L0000067 L0000068 L0000069 L0000070
L0000071 L0000072
  SRCGROUP EXHAUST  L0000073 L0000074 L0000075 L0000076
L0000077 L0000078
  SRCGROUP EXHAUST  L0000079 L0000080 L0000081 L0000082
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  SRCGROUP EXHAUST  L0000085 L0000086 L0000087 L0000088
L0000089 L0000090
  SRCGROUP EXHAUST  L0000091 L0000092 L0000093 L0000094
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  SRCGROUP EXHAUST  L0000097 L0000098 L0000099 L0000100
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  SRCGROUP EXHAUST  L0000103 L0000104 L0000105 L0000106
L0000107 L0000108
  SRCGROUP EXHAUST  L0000109 L0000110 L0000111 L0000112
L0000113 L0000114
  SRCGROUP EXHAUST  L0000115 L0000116 L0000117 L0000118
L0000119 L0000120
  SRCGROUP EXHAUST  L0000121 L0000122 L0000123 L0000124
L0000125 L0000126
  SRCGROUP EXHAUST  L0000127 L0000128 L0000129 L0000130
L0000131 L0000132
  SRCGROUP EXHAUST  L0000133 L0000134 L0000135 L0000136
L0000137 L0000138
  SRCGROUP EXHAUST  L0000139 L0000140 L0000141 L0000142
L0000143 L0000144
  SRCGROUP EXHAUST  L0000145 L0000146 L0000147 L0000148
L0000149 L0000150
  SRCGROUP EXHAUST  L0000151 L0000152 L0000153 L0000154
L0000155 L0000156
  SRCGROUP EXHAUST  L0000157 L0000158 L0000159 L0000160
L0000161 L0000162
  SRCGROUP EXHAUST  L0000163 L0000164 L0000165 L0000166
L0000167 L0000168
  SRCGROUP EXHAUST  L0000169 L0000170 L0000171 L0000172
L0000173 L0000174
  SRCGROUP EXHAUST  L0000175 L0000176 L0000177 L0000178
L0000179 L0000180
  SRCGROUP EXHAUST  L0000181 L0000182 L0000183 L0000184
L0000185 L0000186
  SRCGROUP EXHAUST  L0000187 L0000188 L0000189 L0000190
L0000191 L0000192
  SRCGROUP EXHAUST  L0000193 L0000194 L0000195 L0000196
L0000197 L0000198
  SRCGROUP EXHAUST  L0000199 L0000200 L0000201 L0000202
L0000203 L0000204
  SRCGROUP EXHAUST  L0000205 L0000206 L0000207 L0000208
L0000209 L0000210
  SRCGROUP EXHAUST  L0000211 L0000212 L0000213 L0000214
L0000215 L0000216
  SRCGROUP EXHAUST  L0000217 L0000218 L0000219 L0000220
L0000221 L0000222
  SRCGROUP EXHAUST  L0000223 L0000224 L0000225 L0000226
L0000227 L0000228
  SRCGROUP EXHAUST  L0000229 L0000230 L0000231 L0000232
L0000233 L0000234
  SRCGROUP EXHAUST  L0000235 L0000236 L0000237 L0000238
L0000239 L0000240
  SRCGROUP EXHAUST  L0000241 L0000242 L0000243 L0000244
L0000245 L0000246
  SRCGROUP EXHAUST  L0000247 L0000248 L0000249 L0000250
L0000251 L0000252
```

```
  SRCGROUP FUGITIVE FUGITIVE
SO FINISHED
**
*****************************************
** AERMOD Receptor Pathway
*****************************************
**
**
RE STARTING
  INCLUDED "9000 Airport LST.rou"
RE FINISHED
**
*****************************************
** AERMOD Meteorology Pathway
*****************************************
**
**
ME STARTING
  SURFFILE klax_sfc_pfl\KLAX_V11_trimmed.sfc
  PROFFILE klax_sfc_pfl\KLAX_V11_trimmed.PFL
  SURFDATA 23174 2019 LOS_ANGELES/INT'L_ARPT
  UAIRDATA 3190 2019
  PROFBASE 30.0 METERS
ME FINISHED
**
*****************************************
** AERMOD Output Pathway
*****************************************
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 8 1ST
  RECTABLE 24 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 EXHAUST 1ST "9000 AIRPORT LST.AD\01H1G001.PLT"
31
  PLOTFILE 8 EXHAUST 1ST "9000 AIRPORT LST.AD\08H1G001.PLT"
32
  PLOTFILE 24 EXHAUST 1ST "9000 AIRPORT
LST.AD\24H1G001.PLT" 33
  PLOTFILE 1 FUGITIVE 1ST "9000 AIRPORT LST.AD\01H1G002.PLT"
34
  PLOTFILE 8 FUGITIVE 1ST "9000 AIRPORT LST.AD\08H1G002.PLT"
35
  PLOTFILE 24 FUGITIVE 1ST "9000 AIRPORT
LST.AD\24H1G002.PLT" 36
  PLOTFILE PERIOD EXHAUST "9000 AIRPORT
LST.AD\PE00G001.PLT" 37
  PLOTFILE PERIOD FUGITIVE "9000 AIRPORT
LST.AD\PE00G002.PLT" 38
  SUMMFILE "9000 Airport LST.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    1657      MEOPEN: THRESH_1MIN 1-min ASOS wind
speed threshold used          0.50
 ME W187    1657      MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

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


 *** AERMOD - VERSION 23132  ***   ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
***       01/13/25
 *** AERMET - VERSION  22112 ***   ***
***       14:45:33

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

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

 ** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE  =  F
     * Model Uses NO WET DEPLETION. WETDPLT  =  F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for   253
Source(s),
       for Total of    1 Urban Area(s):
   Urban Population =   9663345.0 ;  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 Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: SCALER

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

 **This Run Includes:    253 Source(s);       2 Source Group(s); and
470 Receptor(s)

              with:      0 POINT(s), including
                       0 POINTCAP(s) and      0 POINTHOR(s)
               and:    252 VOLUME source(s)
               and:      1 AREA type source(s)
               and:      0 LINE source(s)
               and:      0 RLINE/RLINEXT source(s)
               and:      0 OPENPIT source(s)
               and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
               and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  22112

 **Output Options Selected:
        Model Outputs Tables of PERIOD Averages by Receptor
```

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 30.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

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

**Detailed Error/Message File: 9000 Airport LST.err
**File for Summary of Results: 9000 Airport LST.sum
*** AERMOD - VERSION 23132 *** *** C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti *** 01/13/25
*** AERMET - VERSION 22112 *** *** *** 14:45:33

PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AERMOD - VERSION 23132 *** *** C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti *** 01/13/25
*** AERMET - VERSION 22112 *** *** *** 14:45:33

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

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

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

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

EXHAUST 1ST HIGHEST VALUE IS 9.54626 AT (372202.40, 3758012.50, 31.83, 31.83, 0.00) DC
2ND HIGHEST VALUE IS 9.53414 AT (372202.40, 3758037.50, 31.70, 31.70, 0.00) DC
3RD HIGHEST VALUE IS 9.51892 AT (372202.40, 3758062.50, 31.76, 31.76, 0.00) DC
4TH HIGHEST VALUE IS 9.50753 AT (372202.40, 3757987.50, 31.91, 31.91, 0.00) DC
5TH HIGHEST VALUE IS 9.43179 AT (372202.40, 3757962.50, 31.97, 31.97, 0.00) DC
6TH HIGHEST VALUE IS 9.42623 AT (372202.40, 3758087.50, 31.92, 31.92, 0.00) DC
7TH HIGHEST VALUE IS 9.41134 AT (372202.40, 3758112.50, 32.18, 32.18, 0.00) DC
8TH HIGHEST VALUE IS 9.31432 AT (372202.40, 3757937.50, 32.02, 32.02, 0.00) DC
9TH HIGHEST VALUE IS 9.13199 AT (372202.40, 3757912.50, 32.01, 32.01, 0.00) DC
10TH HIGHEST VALUE IS 8.90244 AT (372187.50, 3758137.50, 32.46, 32.46, 0.00) DC

FUGITIVE 1ST HIGHEST VALUE IS 10.60365 AT (372202.40, 3758087.50, 31.92, 31.92, 0.00) DC
2ND HIGHEST VALUE IS 10.58428 AT (372202.40, 3758062.50, 31.76, 31.76, 0.00) DC
3RD HIGHEST VALUE IS 10.48941 AT (372202.40, 3758037.50, 31.70, 31.70, 0.00) DC
4TH HIGHEST VALUE IS 10.37590 AT (372202.40, 3758012.50, 31.83, 31.83, 0.00) DC
5TH HIGHEST VALUE IS 10.23173 AT (372202.40, 3757987.50, 31.91, 31.91, 0.00) DC
6TH HIGHEST VALUE IS 10.20767 AT (372202.40, 3758112.50, 32.18, 32.18, 0.00) DC
7TH HIGHEST VALUE IS 10.05843 AT (372202.40, 3757962.50, 31.97, 31.97, 0.00) DC
8TH HIGHEST VALUE IS 9.84539 AT (372202.40, 3757937.50, 32.02, 32.02, 0.00) DC
9TH HIGHEST VALUE IS 9.56380 AT (372202.40, 3757912.50, 32.01, 32.01, 0.00) DC
10TH HIGHEST VALUE IS 9.16235 AT (372202.40, 3757887.50, 31.92, 31.92, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
*** AERMOD - VERSION 23132 *** *** C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti *** 01/13/25
*** AERMET - VERSION 22112 *** *** *** 14:45:33

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

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

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

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

EXHAUST HIGH 1ST HIGH VALUE IS 117.46127 ON 23010214: AT (372187.50, 3758137.50, 32.46, 32.46, 0.00) DC

FUGITIVE HIGH 1ST HIGH VALUE IS 362.76751 ON 20120308: AT (372012.50, 3757762.50, 31.63, 31.63, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART

DP = DISCPOLR
*** AERMOD - VERSION 23132 *** ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
*** 01/13/25
*** AERMET - VERSION 22112 *** ***
*** 14:45:33

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

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

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

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

EXHAUST HIGH 1ST HIGH VALUE IS 54.09373 ON 20041216: AT (372187.50, 3758137.50, 32.46, 32.46, 0.00) DC

FUGITIVE HIGH 1ST HIGH VALUE IS 72.73266 ON 20120316: AT (372012.50, 3757762.50, 31.63, 31.63, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
*** AERMOD - VERSION 23132 *** ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
*** 01/13/25
*** AERMET - VERSION 22112 *** ***
*** 14:45:33

PAGE 124
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

EXHAUST HIGH 1ST HIGH VALUE IS 19.79296 ON 21012024: AT (371987.50, 3757762.50, 31.67, 31.67, 0.00) DC

FUGITIVE HIGH 1ST HIGH VALUE IS 39.35953 ON 20120324: AT (372012.50, 3757762.50, 31.63, 31.63, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 23132 *** ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
*** 01/13/25
*** AERMET - VERSION 22112 *** ***
*** 14:45:33

PAGE 125
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1453 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 604 Calm Hours Identified

A Total of 849 Missing Hours Identified (1.94 Percent)

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

******** WARNING MESSAGES ********
ME W186 1657 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1657 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: 2/4/2025
** File: C:\AERMOD\9000 Airport LST Operations\9000 Airport LST
Operations.ADI
**
**********************************************
**
**
**********************************************
** AERMOD Control Pathway
**********************************************
**
**
CO STARTING
   TITLEONE C:\Users\M.McPherson\Desktop\9000 Airport Option
2\9000 Airport Opti
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24 PERIOD
   URBANOPT 9663345 Los_Angeles_County
   POLLUTID SCALER
   RUNORNOT RUN
   ERRORFIL "9000 Airport LST Operations.err"
CO FINISHED
**
**********************************************
** AERMOD Source Pathway
**********************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = EXHAUST
** DESCRSRC Construction - Exhaust
** PREFIX
** Length of Side = 10.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 14
** 371986.209, 3758120.666, 32.39, 3.66, 4.65
** 371975.871, 3757796.558, 31.83, 3.66, 4.65
** 372006.883, 3757795.341, 31.96, 3.66, 4.65
** 372014.180, 3758120.666, 32.56, 3.66, 4.65
** 372040.328, 3758120.666, 32.62, 3.66, 4.65
** 372033.639, 3757794.733, 31.93, 3.66, 4.65
** 372071.340, 3757792.301, 31.83, 3.66, 4.65
** 372071.340, 3758123.706, 32.44, 3.66, 4.65
** 372107.217, 3758123.098, 32.23, 3.66, 4.65
** 372104.177, 3757788.044, 31.67, 3.66, 4.65
** 372136.405, 3757786.220, 31.57, 3.66, 4.65
** 372137.621, 3758125.531, 32.04, 3.66, 4.65
** 372172.282, 3758123.098, 32.24, 3.66, 4.65
** 372161.945, 3757786.220, 31.46, 3.66, 4.65
** ------------------------------------------------------------------------
   LOCATION L0000001    VOLUME   371986.049 3758115.668 32.38
   LOCATION L0000002    VOLUME   371985.730 3758105.674 32.36
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L0000251 L0000252
   SRCGROUP FUGITIVE FUGITIVE
SO FINISHED
**
**********************************************
** AERMOD Receptor Pathway
**********************************************
**
**
RE STARTING
   INCLUDED "9000 Airport LST Operations.rou"
RE FINISHED
**
**********************************************
** AERMOD Meteorology Pathway
**********************************************
**
**
ME STARTING
   SURFFILE klax_sfc_pfl\KLAX_V11_trimmed.sfc
   PROFFILE klax_sfc_pfl\KLAX_V11_trimmed.PFL
   SURFDATA 23174 2019 LOS_ANGELES/INT'L_ARPT
   UAIRDATA 3190 2019
   PROFBASE 30.0 METERS
ME FINISHED
**
**********************************************
** AERMOD Output Pathway
**********************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
```

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   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 EXHAUST 1ST "9000 AIRPORT LST
OPERATIONS.AD\01H1G001.PLT" 31
   PLOTFILE 8 EXHAUST 1ST "9000 AIRPORT LST
OPERATIONS.AD\08H1G001.PLT" 32
   PLOTFILE 24 EXHAUST 1ST "9000 AIRPORT LST
OPERATIONS.AD\24H1G001.PLT" 33
   PLOTFILE 1 FUGITIVE 1ST "9000 AIRPORT LST
OPERATIONS.AD\01H1G002.PLT" 34
   PLOTFILE 8 FUGITIVE 1ST "9000 AIRPORT LST
OPERATIONS.AD\08H1G002.PLT" 35
   PLOTFILE 24 FUGITIVE 1ST "9000 AIRPORT LST
OPERATIONS.AD\24H1G002.PLT" 36
   PLOTFILE PERIOD EXHAUST "9000 AIRPORT LST
OPERATIONS.AD\PE00G001.PLT" 37
   PLOTFILE PERIOD FUGITIVE "9000 AIRPORT LST
OPERATIONS.AD\PE00G002.PLT" 38
   SUMMFILE "9000 Airport LST Operations.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     642      MEOPEN: THRESH_1MIN 1-min ASOS wind
speed threshold used          0.50
 ME W187     642      MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

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

 *** AERMOD - VERSION 24142  ***   ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
***       02/04/25
 *** AERMET - VERSION  22112 ***   ***
***       17:42:21

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

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

 ** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE  =  F
     * Model Uses NO WET DEPLETION. WETDPLT  =  F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for   253
Source(s),
       for Total of    1 Urban Area(s):
  Urban Population =   9663345.0 ;  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 Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: SCALER

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

 **This Run Includes:    253 Source(s);       2 Source Group(s); and
470 Receptor(s)

              with:      0 POINT(s), including
                         0 POINTCAP(s) and      0 POINTHOR(s)
               and:    252 VOLUME source(s)
               and:      1 AREA type source(s)
               and:      0 LINE source(s)
               and:      0 RLINE/RLINEXT source(s)
               and:      0 OPENPIT source(s)
               and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
               and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  22112

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    30.00 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
              Emission Units = GRAMS/SEC                     ;
Emission Rate Unit Factor =   0.10000E+07
              Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.8 MB of RAM.

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

 **Detailed Error/Message File:   9000 Airport LST Operations.err
 **File for Summary of Results:   9000 Airport LST Operations.sum
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
***       02/04/25
 *** AERMET - VERSION  22112 ***   ***
***       17:42:21

PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
*** 02/04/25
*** AERMET - VERSION 22112 *** ***
*** 17:42:21

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

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

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

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

EXHAUST 1ST HIGHEST VALUE IS 48.23670 AT (372202.40, 3757987.50, 31.91, 31.91, 0.00) DC
2ND HIGHEST VALUE IS 48.10176 AT (372202.40, 3757962.50, 31.97, 31.97, 0.00) DC
3RD HIGHEST VALUE IS 48.03614 AT (372202.40, 3758012.50, 31.83, 31.83, 0.00) DC
4TH HIGHEST VALUE IS 47.63823 AT (372202.40, 3757937.50, 32.02, 32.02, 0.00) DC
5TH HIGHEST VALUE IS 47.39398 AT (372202.40, 3758037.50, 31.70, 31.70, 0.00) DC
6TH HIGHEST VALUE IS 46.73015 AT (372202.40, 3757912.50, 32.01, 32.01, 0.00) DC
7TH HIGHEST VALUE IS 46.62025 AT (372202.40, 3758062.50, 31.76, 31.76, 0.00) DC
8TH HIGHEST VALUE IS 45.28926 AT (372202.40, 3758087.50, 31.92, 31.92, 0.00) DC
9TH HIGHEST VALUE IS 45.25001 AT (372202.40, 3757887.50, 31.92, 31.92, 0.00) DC
10TH HIGHEST VALUE IS 43.51534 AT (372202.40, 3758112.50, 32.18, 32.18, 0.00) DC

FUGITIVE 1ST HIGHEST VALUE IS 53.28891 AT (372202.40, 3758012.50, 31.83, 31.83, 0.00) DC
2ND HIGHEST VALUE IS 53.14887 AT (372202.40, 3758037.50, 31.70, 31.70, 0.00) DC
3RD HIGHEST VALUE IS 53.03943 AT (372202.40, 3757987.50, 31.91, 31.91, 0.00) DC
4TH HIGHEST VALUE IS 52.79443 AT (372202.40, 3758062.50, 31.76, 31.76, 0.00) DC
5TH HIGHEST VALUE IS 52.45717 AT (372202.40, 3757962.50, 31.97, 31.97, 0.00) DC
6TH HIGHEST VALUE IS 51.81542 AT (372202.40, 3758087.50, 31.92, 31.92, 0.00) DC
7TH HIGHEST VALUE IS 51.50848 AT (372202.40, 3757937.50, 32.02, 32.02, 0.00) DC
8TH HIGHEST VALUE IS 50.04333 AT (372202.40, 3757912.50, 32.01, 32.01, 0.00) DC
9TH HIGHEST VALUE IS 48.84919 AT (372202.40, 3758112.50, 32.18, 32.18, 0.00) DC
10TH HIGHEST VALUE IS 47.83614 AT (372202.40, 3757887.50, 31.92, 31.92, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
*** AERMOD - VERSION 24142 *** ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
*** 02/04/25
*** AERMET - VERSION 22112 *** ***
*** 17:42:21

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

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

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

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

EXHAUST HIGH 1ST HIGH VALUE IS 132.22446 ON 21122516: AT (372187.50, 3758137.50, 32.46, 32.46, 0.00) DC

FUGITIVE HIGH 1ST HIGH VALUE IS 393.35462 ON 20081705: AT (371987.50, 3757762.50, 31.67, 31.67, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
*** AERMOD - VERSION 24142 *** ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
*** 02/04/25
*** AERMET - VERSION 22112 *** ***
*** 17:42:21

PAGE 72
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

EXHAUST HIGH 1ST HIGH VALUE IS 110.64949 ON 20010908: AT (371987.50, 3757762.50, 31.67, 31.67, 0.00) DC

FUGITIVE HIGH 1ST HIGH VALUE IS 285.24001 ON 19121808: AT (372012.50, 3757762.50, 31.63, 31.63, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 24142 *** ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
*** 02/04/25
*** AERMET - VERSION 22112 *** ***
*** 17:42:21

PAGE 73
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

EXHAUST HIGH 1ST HIGH VALUE IS 77.79438b ON 22011024:
AT (372012.50, 3757762.50, 31.63, 31.63, 0.00) DC

FUGITIVE HIGH 1ST HIGH VALUE IS 146.36437b ON 22011024:
AT (372012.50, 3757762.50, 31.63, 31.63, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
*** AERMOD - VERSION 24142 *** ***
C:\Users\M.McPherson\Desktop\9000 Airport Option 2\9000 Airport Opti
*** 02/04/25
*** AERMET - VERSION 22112 *** ***
*** 17:42:21

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

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

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

A Total of 0 Fatal Error Message(s)
A Total of 267 Warning Message(s)
A Total of 1453 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 604 Calm Hours Identified

A Total of 849 Missing Hours Identified (1.94 Percent)

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

******** WARNING MESSAGES ********
ME W186 642 MEOPEN: THRESH_1MIN 1-min ASOS wind
speed threshold used 0.50
ME W187 642 MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET
CN W733 1440 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019030124
CN W733 1472 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019030308
CN W733 1520 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019030508
CN W733 1640 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031008
CN W733 1680 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031124
CN W733 1712 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031308
CN W733 1736 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031408
CN W733 1744 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031416
CN W733 1752 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031424
CN W732 1752 AVER: 24-hr avg, < 18 hours of data, calms
policy used. 2019031424
CN W733 1760 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031508
CN W732 1776 AVER: 24-hr avg, < 18 hours of data, calms
policy used. 2019031524
CN W733 1784 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031608
CN W733 1792 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031616
CN W732 1800 AVER: 24-hr avg, < 18 hours of data, calms
policy used. 2019031624
CN W733 1808 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031708
CN W733 1856 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019031908
CN W732 1872 AVER: 24-hr avg, < 18 hours of data, calms
policy used. 2019031924
CN W733 1952 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019032308
CN W733 1976 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019032408
CN W733 2000 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019032508
CN W733 2024 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019032608
CN W733 2072 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019032808
CN W733 2096 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019032908
CN W733 2120 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019033008
CN W733 5320 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019081016
CN W732 5328 AVER: 24-hr avg, < 18 hours of data, calms
policy used. 2019081024
CN W733 5840 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019090108
CN W733 5960 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019090608
CN W733 6608 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019100308
CN W733 7840 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2019112316
CN W733 10504 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2020031316
CN W732 10512 AVER: 24-hr avg, < 18 hours of data, calms
policy used. 2020031324
CN W733 10528 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2020031416
CN W732 10536 AVER: 24-hr avg, < 18 hours of data, calms
policy used. 2020031424
CN W733 10552 AVER: 8-hr avg, < 6 hours of data, calms policy
used. 2020031516

CN W732 10560 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2020031524
CN W733 10576 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020031616
CN W732 10584 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2020031624
CN W733 10984 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020040216
CN W732 10992 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2020040224
CN W733 11008 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020040316
CN W732 11016 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2020040324
CN W733 11096 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020040708
CN W733 11104 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020040716
CN W732 11112 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2020040724
CN W733 11416 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020042016
CN W732 11424 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2020042024
CN W733 15032 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020091808
CN W733 15272 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020092808
CN W733 15496 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020100716
CN W732 15504 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2020100724
CN W733 15568 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020101016
CN W732 15576 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2020101024
CN W733 15800 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020102008
CN W733 16360 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020111216
CN W732 16368 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2020111224
CN W733 16504 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020111816
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CN W733 16576 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2020112116
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CN W732 19680 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2021033024
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CN W733 20336 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2021042708
CN W733 20400 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2021042924
CN W733 20408 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2021043008
CN W733 20472 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2021050224
CN W733 20504 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2021050408
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CN W732 21240 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2021060324
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CN W733 22280 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2021071708
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CN W732 24312 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2021100924
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CN W732 25536 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2021112924
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CN W733 26080 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2021122216
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CN W733 26552 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022011108
CN W733 26568 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022011124
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CN W733 26624 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022011408
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CN W733 26656 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022011516
CN W732 26664 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2022011524
CN W733 26688 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022011624
CN W732 26688 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2022011624
CN W733 26720 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022011808
CN W732 26736 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2022011824
CN W733 26744 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022011908
CN W733 26768 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022012008
CN W732 26784 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2022012024
CN W733 26832 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022012224
CN W733 26840 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022012308
CN W733 26848 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022012316
CN W733 26856 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022012324
CN W732 26856 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2022012324
CN W733 27080 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022020208
CN W733 27128 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022020408
CN W733 27136 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022020416
CN W732 27144 AVER: 24-hr avg, < 18 hours of data, calms policy used. 2022020424
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CN W733 27200 AVER: 8-hr avg, < 6 hours of data, calms policy used. 2022020708

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used.      2023110216
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 CN W732   42528         AVER: 24-hr avg, < 18 hours of data, calms
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used.      2023112216
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used.      2023120716
 CN W732   43248         AVER: 24-hr avg, < 18 hours of data, calms
policy used.    2023120724
 CN W733   43696         AVER: 8-hr avg, < 6 hours of data, calms policy
used.      2023122616
 CN W732   43704         AVER: 24-hr avg, < 18 hours of data, calms
policy used.    2023122624
 CN W733   43744         AVER: 8-hr avg, < 6 hours of data, calms policy
used.      2023122816

   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
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TABLE 1
PROJECT TRUCK DEMAND ANALYSIS SUMMARY

Proposed Development	Area / Rate	Total Daily Trips [a]
Option 1 (Single Building)		
High-Cube Fulfillment Center / Industrial	*355.390 ksf*	*2,125*
Fleet Mix [b]		
Passenger Vehicles	72.5%	1,541
2-Axle Truck	**4.6%**	**98**
3-Axle Truck	**5.7%**	**121**
4+ Axle Truck	**17.2%**	**366**
Total Truck Trips		**585**
Option 2 (Three Building)		
High-Cube Fulfillment Center / Industrial	*320.414 ksf*	*1,917*
Fleet Mix [b]		
Passenger Vehicles	72.5%	1,390
2-Axle Truck	**4.6%**	**88**
3-Axle Truck	**5.7%**	**109**
4+ Axle Truck	**17.2%**	**330**
Total Truck Trips		**527**

Notes

[a] Total daily trips based on trip estimate outputs for light industrial use in the *City of Los Angeles VMT Calculator Version 1.4* (LADOT, June 2021), prior to the application of trip reductions (i.e., unadjusted trips), as detailed in Attachment A.

[b] Fleet mix assumptions based on *Warehouse Truck Trip Study Data Results and Usage* (SCAQMD, July 2014).

TABLE 2
EXISTING USES TRUCK DEMAND ANALYSIS SUMMARY

Proposed Development	Area / Rate	Total Daily Trips
Rental Car Facility [a]	*18.280 acres*	*5,403*
Fleet Mix [b]		
Passenger Vehicles	85.0%	4,591
Bus	14.5%	784
Light Truck	**0.5%**	**28**
Heavy Truck	**0.0%**	**0**
Total Truck Trips		**28**

Notes

[a] Trip generation for the existing rental car center based on empirical study provided in *9000 Airport Boulevard Warehouse: Trip Generation Analysis* (Dudek, March 2023).

[b] Fleet mix assumptions based on data collected at the Project Site on Wednesday, September 4, 2024. Detailed data is provided in Attachment B.

9000 Airport

Appendix C-1-Greenhouse Gas Emissions Worksheets

- Appendix C-1.3: Greenhouse Gas Worksheets
    - GHG Modeling Parameters and Summary of Emissions
        - GHG Emissions Summary
        - GHG Parameters
            - Carbon Intensity
            - VMT
            - EVs
            - On-site GHG Emissions Calculations

9000 Airport Boulevard

Construction Emissions Summary (GHG)

CalEEMod Output Summary	Option 1	Option 2
Year	CO2e	CO2e
2026	791	832
2027	792	773
Total	1583	1605
30-year Amortized	53	54

Operational Emissions Summary (GHG)

CalEEMod Output Summary	Project Option 1	Project Option 2
Baseline (Existing Year)[a]	**CO_2e**	**CO_2e**
Area	1	1
Energy (Natural Gas)	303	303
Mobile	5,492	5,492
Solid Waste	11	11
Water/Wastewater	11	11
Refrig.	1,300	1,300
Total	7,117	7,117
Baseline (Buildout Year)[a]	**CO_2e**	**CO_2e**
Area	1	1
Energy (Natural Gas)	265	265
Mobile	5,192	5,192
Solid Waste	11	11
Water/Wastewater	10	10
Refrig.	1,300	1,300
Total	6,778	6,778
Buildout (Buildout Year)[b]		
Area	9	8
Energy (Natural Gas and Electricity)[b]	2,225	2,123
Mobile (Passenger Vehicles)	1,664	1,214
Mobile (Trucks)	5,983	5,397
Mobile (Onsite Forklifts)	582	582
Mobile (Onsite Trucks, TRUs and Yard Tractor)	56	56
Mobile Total	8,285	7,249
Electric Vehicle Charging and Solar Panels Credit	(403)	(319)
Emergency Generators	41	41
Solid Waste	38	35
Water/Wastewater	206	193
Refrig.	59	58
Construction	53	54
Total	**10,512**	**9,442**
Project (Buildout less Baseline)		
Area	8	8
Energy (Natural Gas and Electricity)	1,960	1,858
Mobile	3,093	2,057
Electric Vehicle Charging Credit	(403)	(319)
Emergency Generators	41	41
Solid Waste	27	25
Water/Wastewater	196	183
Refrig.	(1,241)	(1,243)
Construction	53	54
Total	**3,734**	**2,664**

[a] Existing Uses

[b] Please refer to CalEEMod outputs for Future uses

9000 Airport Boulevard

SB100 - Renewable Portfolio Standards

Year	% RPS	RPS Reduction (%)	Carbon Intensity (lbs/MWh)
2022	35		567
2023			499
2024	44	-20%	451
2027	52	-15%	382
2030	60	-13%	331
2036	65	-8%	305
2045	100	-35%	0

Forecasted Build Out Year	Carbon Intensity (lbs/MWh)
2027	417

9000 Airport Boulevard 1/29/2025

LADOT VMT Calculator Data

VMT Summary

	Existing	Proposed Project Option 1	Proposed Project Option 2	Trips	Trips	Weekday Ratio
Daily Trips	5,403	2,125	1,917	1	1	1.00
Daily VMT	41,036	17,076	15,406			

***Project VMT does not account for additional VMT assoicated with truck trips.

Project without TDM (MXD Data)-Option 1

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT	Reduction vs. Unadjusted MXD (%)
Home Based Work Production	0	0.0%	0	8.4	0	0	
Home Based Other Production	0	0.0%	0	6.7	0	0	
Non-Home Based Other Production	490	-2.7%	477	7.6	3,724	3,625	
Home-Based Work Attraction	515	-11.5%	456	10.0	5,150	4,560	
Home-Based Other Attraction	981	-27.0%	716	6.9	6,769	4,940	
Non-Home Based Other Attraction	490	-2.9%	476	8.3	4,067	3,951	13%
Total	2,476		2,125		19,710	17,076	

Project without TDM (MXD Data)-Option 2

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT	Reduction vs. Unadjusted MXD (%)
Home Based Work Production	0	0.0%	0	8.4	0	0	
Home Based Other Production	0	0.0%	0	6.7	0	0	
Non-Home Based Other Production	442	-2.5%	431	7.6	3,359	3,276	
Home-Based Work Attraction	464	-11.4%	411	10.0	4,640	4,110	
Home-Based Other Attraction	883	-27.0%	645	6.9	6,093	4,451	
Non-Home Based Other Attraction	442	-2.7%	430	8.3	3,669	3,569	13%
Total	2,231		1,917		17,761	15,406	

Adjustment to Trips and VMT (Passenger Vehicles)

	Option 1: Single Building % of Trips	Passenger Trips	VMT	*Option 2: Three Buildings* % of Trips	Passenger Trips	VMT
Home Based Work Production	0.0%	0	0	0.0%	0	0
Home Based Other Production	0.0%	0	0	0.0%	0	0
Non-Home Based Other Production	22.4%	346	2,628	22.5%	312	2,371
Home-Based Work Attraction	21.5%	331	3,306	21.4%	298	2,982
Home-Based Other Attraction	33.7%	519	3,582	33.6%	468	3,231
Non-Home Based Other Attraction	22.4%	345	2,864	22.4%	311	2,584
	100%	1,541	12,380	100%	1,390	11,169

CalEEMod Mobile Source Fleet Mix Adjustment

Vehicle Type	Option 1: Area/Rate	ADT	VMT	Option 2 Area/Rate	ADT	VMT
Total	355.39 ksf	2125		320.414	1917	
Passenger Vehicles	72.5%	1541	15,406	72.5%	1390	11,169
2-Axle Truck	4.6%	98		4.6%	88	
3-Axle Truck	5.7%	121		5.7%	109	
4-Axle Truck	17.2%	366		17.2%	330	
Total Truck	27.5%	585	13,908	27.5%	527	12,547
Total	100.0%	2709		100.0%	1917	

***Truck trip distance consevatively assumed trip distance to Port of Los Angeles/Long Beach (23.6-26.2 miles) even though much of the cargo could be to/from LAX.

***Truck trip VMT: 23.8

Source: Gibson Transportation, Truck Trip Estimates for 9000 Airport Boulevard Los Angeles, CA.

CalEEMod Land Use Inputs (Passenger Vehicles and Truck Only Model Runs)

Fleet Mix	HHD	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHD	OBUS	SBUS	UBUS	Total
CalEEMod Default Fleet Mix	0.894506928	49.32835102	4.232946783	24.0234971	2.696694434	0.692535797	2.200900577	14.34000432	0.278102	1.101103	0.084528	0.064909	0.061921	100%
Percent	0.895%	82.482%				16.623%								100%
Assumed Mix	17.2%	72.5%				10.3%								100%
Adjusted CalEEMod Mix	17.2	43.35841205	3.720656519	21.1160654	2.370328341	0.429108736	1.934537687	8.885347376	0.172318	0.682265	0.052375	0.040219	0.038368	100%
Option 1														
Assumed Mix (non-trucks)	0	43.35841205	3.720656519	21.1160654	2.370328341	0	1.934537687	0	0	0	0	0	0	72.5%
Adjusted CalEEMod Mix (non-trucks)		921	79	449	50	0	41	0	0	0	0	0	0	1541
Modified	0.0000%	59.8047%	5.1319%	29.1256%	3.2694%	0.0000%	2.6683%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	100%
Assumed Mix (trucks)	17.2	0	0	0	0	0.429108736	0	8.885347376	0.172318	0.682265	0.052375	0.040219	0.038368	27.5%
Adjusted CalEEMod Mix (trucks)	366					9		189	4	14	1	1	1	585
Modified	62.5455%	0.0000%	0.0000%	0.0000%	0.0000%	1.5604%	0.0000%	32.3104%	0.6266%	2.4810%	0.1905%	0.1462%	0.1395%	100%
Option 2														
Assumed Mix (non-trucks)	0	43.35841205	3.720656519	21.1160654	2.370328341	0	1.934537687	0	0	0	0	0	0	72.5%
Adjusted CalEEMod Mix (non-trucks)		831	71	405	45	0	37	0	0	0	0	0	0	1390
Modified	0.0000%	59.8047%	5.1319%	29.1256%	3.2694%	0.0000%	2.6683%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	100%
Assumed Mix (trucks)	17.2	0	0	0	0	0.429108736	0	8.885347376	0.172318	0.682265	0.052375	0.040219	0.038368	27.5%
Adjusted CalEEMod Mix (trucks)	330					8		170	3	13	1	1	1	527
Modified	62.5455%	0.0000%	0.0000%	0.0000%	0.0000%	1.5604%	0.0000%	32.3104%	0.6266%	2.4810%	0.1905%	0.1462%	0.1395%	100%

GHG Emissions Reductions for Passenger Vehicle Uses Associated with City Codes (Electric Vehicle Charging Stations/Plugins)

Step 1: Estimating GHG Emisisons Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

	Option 1	Option 2	
LADWP Electricity Emission Factor[1]	0.19	0.19	MTCO2E/MWh
Total Passenger Vehicle VMT per Year[2]	5,623,190	4,076,527	
Percent of Parking Spaces with EV Charger[2]	20%	20%	
Annual VMT Reduction (Based on EV Chargers)	1,124,638	815,305	
Average EV Efficiency[2]	195.0	195.0	Wh/km
Annual EV Charging at Project Site	352,936	255,861	kWh/year
Fuel Economy of Electric Vehicle[3]	0.39	0.39	kWh/mile
Gasoline/Diesel CO2 Emissions While Running[3]	301.3	301.3	grams/mile

Step 2: Estimating GHG Emissions Reduction from Installing Electric Vehicle Charging Stations/Plugins

GHG Emissions of Gasoline/Diesel Vehicle[4]	339	246	MTCO2E/MWh
GHG Emissions of Electric Vehicle	83	60	MTCO2E/MWh
GHG Emisisons Reduction	**256**	**186**	MTCO2E/MWh

Notes:
1) CO2 intensity factor reflects a 2027 RPS for LADWP (417 lbs of CO2E/MWh).
2) Please see Transportation VMT Calculator Outputs. City Code requires 20% of parking spaces to be equipped with EV chargers.
3) CARB, EMFAC 2021, Electric and Plug-in vehicles for 2027.
4) CARB, 2021. EMFAC2021, running exhaust emission rate for CO2 and CH4 for light duty gasoline- and diesel-powered vehicles in Los Angeles, aggregated for all models and speeds, averaged over all seasons for 2027.

GHG Emissions Reductions for Solar Panels

Option 1: Single Building

Target Size: 498 kW — Energy Offset (Est): 85% (Based on 2 kWh/sf)
Solar Production (Est): 771,900 kWh — Roof Coverage: 8%

Solar Array	771.9	Annual Mwh production (498 kW array)				
CO2 Intensity (lb/MWh)	417	CO_2	0.029	CH_4	0.006	N_2O
Global Warming Potential	1	CO_2	25	CH_4	298	N_2O
CO2e	(147)	mtons/yr				

Option 2: Three Buildings

Target Size: 450 kW — Energy Offset (Est): 85% (Based on 2 kWh/sf)
Solar Production (Est): 697,500 kWh — Roof Coverage: 8%

Solar Array	697.5	Annual Mwh production (450 kW array)				
CO2 Intensity (lb/MWh)	417	CO_2	0.029	CH_4	0.006	N_2O
Global Warming Potential	1	CO_2	25	CH_4	298	N_2O
CO2e	(133)	mtons/yr				

9000 Airport Boulevard

Calculation of Electricity for TRUs

Refrigerated Warehouse-No Rail	10000 sf
TRU Operation Time per Truck (hrs)	1
Daily Number of Trucks with TRU	**8**
Total Annual TRU Hours	3051

Source: SCAQMD, High-Cube Warehouse Vehicle Trip Generation Analysis, October 2016.

	NOx	PM2.5	PM10	TOG	CO	CO2
Emission Rate (lbs/hr)	**0.0244**	**0.0008**	**0.0009**	**0.0041**	**0.0361**	**4.1322**
Emissions (lbs/day)	0.204	0.006885	0.00748	0.034269	0.30192	34.5455
Emissions (mtons/yr)						5.72101

Note: See Operational HRA Appendix in AQ Tech Report

The average electric consumption of a Transport Refrigeration Unit (TRU) can range from 2.5 kWh to 8 kWh per hour.

EPRI Research, Transport Refrigeration Equipment: Analysis of Emisssions and Economics of Electrification (Product ID 100873, February 8, 2020).
SCAQMD, High-Cube Warehouse Vehicle Trip Generation Analysis, October 2016.

TRU (kWh/hr)	8						
Total Energy Usage (kWh)	24,411						
CO2 Intensity (lb/MWh)	419	419	CO_2	0.029	CH_4	0.006	N_2O
Global Warming Potential	1	1	CO_2	25	CH_4	298	N_2O
CO2e	5	mtons/yr					

9000 Airport

Appendix C-1- Air Quality and Greenhouse Gas Emissions Worksheets and Modeling Output Files

- Appendix C-1.4: Modeling Output Files
  - CalEEMod Outputs
    - Existing Baseline
    - Existing Buildout
    - Project Construction Onsite
    - Project Construction
    - Project Operations

9000 Airport Existing (Existing Year) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

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	9000 Airport Existing (Existing Year)
Operational Year	2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Automobile Care Center	37.9	1000sqft	0.87	37,860	10,000	—	—	—
Parking Lot	17.0	Acre	17.0	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.2	14.1	155	0.33	0.25	29.1	29.3	0.24	7.39	7.62	44,284
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.6	15.4	142	0.32	0.25	29.1	29.3	0.23	7.39	7.62	42,748
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.7	15.6	147	0.32	0.25	28.8	29.0	0.24	7.30	7.54	43,192
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.60	2.84	26.8	0.06	0.05	5.25	5.29	0.04	1.33	1.38	7,151

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.9	13.7	153	0.33	0.22	29.1	29.3	0.21	7.39	7.59	34,265
Area	1.29	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80

Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,827
Water	—	—	—	—	—	—	—	—	—	—	63.7
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	20.2	14.1	155	0.33	0.25	29.1	29.3	0.24	7.39	7.62	44,284
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.6	15.1	142	0.32	0.22	29.1	29.3	0.21	7.39	7.59	32,736
Area	1.02	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,827
Water	—	—	—	—	—	—	—	—	—	—	63.7
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	19.6	15.4	142	0.32	0.25	29.1	29.3	0.23	7.39	7.62	42,748
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.5	15.2	145	0.32	0.22	28.8	29.0	0.21	7.30	7.51	33,174
Area	1.21	0.01	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.65
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,827
Water	—	—	—	—	—	—	—	—	—	—	63.7
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	19.7	15.6	147	0.32	0.25	28.8	29.0	0.24	7.30	7.54	43,192
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.37	2.78	26.5	0.06	0.04	5.25	5.29	0.04	1.33	1.37	5,492
Area	0.22	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77
Energy	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	303
Water	—	—	—	—	—	—	—	—	—	—	10.5
Waste	—	—	—	—	—	—	—	—	—	—	45.1
Refrig.	—	—	—	—	—	—	—	—	—	—	1,300

Total	3.60	2.84	26.8	0.06	0.05	5.25	5.29	0.04	1.33	1.38	7,151

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.9	13.7	153	0.33	0.22	29.1	29.3	0.21	7.39	7.59	34,265
Area	1.29	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,827
Water	—	—	—	—	—	—	—	—	—	—	63.7
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	20.2	14.1	155	0.33	0.25	29.1	29.3	0.24	7.39	7.62	44,284
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.6	15.1	142	0.32	0.22	29.1	29.3	0.21	7.39	7.59	32,736
Area	1.02	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,827
Water	—	—	—	—	—	—	—	—	—	—	63.7
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	19.6	15.4	142	0.32	0.25	29.1	29.3	0.23	7.39	7.62	42,748
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.5	15.2	145	0.32	0.22	28.8	29.0	0.21	7.30	7.51	33,174
Area	1.21	0.01	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.65
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,827
Water	—	—	—	—	—	—	—	—	—	—	63.7
Waste	—	—	—	—	—	—	—	—	—	—	273

Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	19.7	15.6	147	0.32	0.25	28.8	29.0	0.24	7.30	7.54	43,192
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.37	2.78	26.5	0.06	0.04	5.25	5.29	0.04	1.33	1.37	5,492
Area	0.22	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77
Energy	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	303
Water	—	—	—	—	—	—	—	—	—	—	10.5
Waste	—	—	—	—	—	—	—	—	—	—	45.1
Refrig.	—	—	—	—	—	—	—	—	—	—	1,300
Total	3.60	2.84	26.8	0.06	0.05	5.25	5.29	0.04	1.33	1.38	7,151

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	505
Parking Lot	—	—	—	—	—	—	—	—	—	—	893

Total	—	—	—	—	—	—	—	—	—	—	1,397
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	505
Parking Lot	—	—	—	—	—	—	—	—	—	—	893
Total	—	—	—	—	—	—	—	—	—	—	1,397
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	83.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	148
Total	—	—	—	—	—	—	—	—	—	—	231

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	505
Parking Lot	—	—	—	—	—	—	—	—	—	—	893
Total	—	—	—	—	—	—	—	—	—	—	1,397
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	505
Parking Lot	—	—	—	—	—	—	—	—	—	—	893
Total	—	—	—	—	—	—	—	—	—	—	1,397
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	83.6

Parking Lot	—	—	—	—	—	—	—	—	—	—	148
Total	—	—	—	—	—	—	—	—	—	—	231

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	71.2
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	71.2

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Automobile Care Center	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	71.2
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	71.2

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.87	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.27	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Total	1.29	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	0.87	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—	—	—	—
Total	1.02	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77
Total	0.22	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.87	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.27	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Total	1.29	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.87	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—	—	—	—
Total	1.02	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77
Total	0.22	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	63.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	63.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	63.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	63.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	10.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	10.5

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	63.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	63.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	63.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	63.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	10.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	10.5

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	273

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	273
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	273
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	273
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	45.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	45.1

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	273
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	273
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	273
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	273
Annual	—	—	—	—	—	—	—	—	—	—	—

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	45.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	45.1

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	7,849
Total	—	—	—	—	—	—	—	—	—	—	7,849
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	7,849
Total	—	—	—	—	—	—	—	—	—	—	7,849
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	1,300
Total	—	—	—	—	—	—	—	—	—	—	1,300

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	7,849
Total	—	—	—	—	—	—	—	—	—	—	7,849
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	7,849
Total	—	—	—	—	—	—	—	—	—	—	7,849
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	1,300
Total	—	—	—	—	—	—	—	—	—	—	1,300

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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
Total all Land Uses	5,403	5,403	5,403	1,972,095	41,036	41,036	41,036	14,978,140

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	5,403	5,403	5,403	1,972,095	41,036	41,036	41,036	14,978,140

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

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	56,790	18,930	44,431

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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)
Automobile Care Center	366,721	499	0.0489	0.0069	1,337,840
Parking Lot	648,696	499	0.0489	0.0069	0.00

5.11.2. Mitigated

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)
Automobile Care Center	366,721	499	0.0489	0.0069	1,337,840
Parking Lot	648,696	499	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Automobile Care Center	3,561,911	140,246
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Automobile Care Center	3,561,911	140,246
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Automobile Care Center	145	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Automobile Care Center	145	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Automobile Care Center	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.14.2. Mitigated

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

Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Automobile Care Center	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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	5.27	annual days of extreme heat
Extreme Precipitation	5.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	32.1
AQ-PM	77.0
AQ-DPM	95.6
Drinking Water	52.7
Lead Risk Housing	79.9

Pesticides	0.00
Toxic Releases	86.1
Traffic	78.1
Effect Indicators	—
CleanUp Sites	74.5
Groundwater	97.4
Haz Waste Facilities/Generators	99.3
Impaired Water Bodies	0.00
Solid Waste	22.1
Sensitive Population	—
Asthma	18.8
Cardio-vascular	44.1
Low Birth Weights	94.1
Socioeconomic Factor Indicators	—
Education	20.9
Housing	87.5
Linguistic	59.0
Poverty	63.5
Unemployment	56.2

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	56.49942256
Employed	89.43924034
Median HI	44.89926857
Education	—

Bachelor's or higher	60.5800077
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	56.16578981
Active commuting	65.67432311
Social	—
2-parent households	17.93917618
Voting	23.31579623
Neighborhood	—
Alcohol availability	28.60259207
Park access	2.194276915
Retail density	51.85422815
Supermarket access	2.399589375
Tree canopy	26.66495573
Housing	—
Homeownership	4.555370204
Housing habitability	27.4990376
Low-inc homeowner severe housing cost burden	41.01116387
Low-inc renter severe housing cost burden	49.15950212
Uncrowded housing	40.20274605
Health Outcomes	—
Insured adults	38.36776594
Arthritis	91.0
Asthma ER Admissions	59.4
High Blood Pressure	87.7
Cancer (excluding skin)	82.6
Asthma	27.9

Coronary Heart Disease	91.8
Chronic Obstructive Pulmonary Disease	74.0
Diagnosed Diabetes	72.3
Life Expectancy at Birth	41.8
Cognitively Disabled	66.4
Physically Disabled	60.6
Heart Attack ER Admissions	41.3
Mental Health Not Good	40.6
Chronic Kidney Disease	90.3
Obesity	37.5
Pedestrian Injuries	19.6
Physical Health Not Good	58.2
Stroke	75.8
Health Risk Behaviors	—
Binge Drinking	25.3
Current Smoker	38.5
No Leisure Time for Physical Activity	60.8
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	93.4
Elderly	92.9
English Speaking	68.8
Foreign-born	43.8
Outdoor Workers	85.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	6.8
Traffic Density	56.4

Traffic Access	87.4
Other Indices	—
Hardship	45.4
Other Decision Support	—
2016 Voting	13.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	40.0
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	Site Specific - See Construction Assumptions

Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions
Construction: On-Road Fugitive Dust	Site Specific - See Construction Assumptions
Characteristics: Utility Information	2023 LADWP Power Content Label/
Construction: Electricity	2023 LADWP Power Content

9000 Airport Existing (Buildout Year) Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	9000 Airport Existing (Buildout Year)
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Automobile Care Center	37.9	1000sqft	0.87	37,860	10,000	—	—	—
Parking Lot	17.0	Acre	17.0	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.9	11.7	133	0.31	0.23	29.1	29.3	0.21	7.39	7.60	42,139
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.4	12.7	122	0.30	0.22	29.1	29.3	0.21	7.39	7.60	40,742
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.5	12.8	126	0.30	0.22	28.8	29.0	0.21	7.31	7.52	41,142
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.19	2.34	23.0	0.06	0.04	5.25	5.29	0.04	1.33	1.37	6,811

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.6	11.3	131	0.31	0.19	29.1	29.3	0.18	7.39	7.57	32,354
Area	1.29	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80

Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,599
Water	—	—	—	—	—	—	—	—	—	—	58.1
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	17.9	11.7	133	0.31	0.23	29.1	29.3	0.21	7.39	7.60	42,139
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.4	12.4	122	0.30	0.20	29.1	29.3	0.18	7.39	7.57	30,963
Area	1.02	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,599
Water	—	—	—	—	—	—	—	—	—	—	58.1
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	17.4	12.7	122	0.30	0.22	29.1	29.3	0.21	7.39	7.60	40,742
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.2	12.5	125	0.30	0.20	28.8	29.0	0.18	7.31	7.49	31,358
Area	1.21	0.01	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.65
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,599
Water	—	—	—	—	—	—	—	—	—	—	58.1
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	17.5	12.8	126	0.30	0.22	28.8	29.0	0.21	7.31	7.52	41,142
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.96	2.27	22.7	0.06	0.04	5.25	5.29	0.03	1.33	1.37	5,192
Area	0.22	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77
Energy	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	265
Water	—	—	—	—	—	—	—	—	—	—	9.61
Waste	—	—	—	—	—	—	—	—	—	—	45.1
Refrig.	—	—	—	—	—	—	—	—	—	—	1,300

Total	3.19	2.34	23.0	0.06	0.04	5.25	5.29	0.04	1.33	1.37	6,811

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.6	11.3	131	0.31	0.19	29.1	29.3	0.18	7.39	7.57	32,354
Area	1.29	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,599
Water	—	—	—	—	—	—	—	—	—	—	58.1
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	17.9	11.7	133	0.31	0.23	29.1	29.3	0.21	7.39	7.60	42,139
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.4	12.4	122	0.30	0.20	29.1	29.3	0.18	7.39	7.57	30,963
Area	1.02	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,599
Water	—	—	—	—	—	—	—	—	—	—	58.1
Waste	—	—	—	—	—	—	—	—	—	—	273
Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	17.4	12.7	122	0.30	0.22	29.1	29.3	0.21	7.39	7.60	40,742
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.2	12.5	125	0.30	0.20	28.8	29.0	0.18	7.31	7.49	31,358
Area	1.21	0.01	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.65
Energy	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	1,599
Water	—	—	—	—	—	—	—	—	—	—	58.1
Waste	—	—	—	—	—	—	—	—	—	—	273

Refrig.	—	—	—	—	—	—	—	—	—	—	7,849
Total	17.5	12.8	126	0.30	0.22	28.8	29.0	0.21	7.31	7.52	41,142
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.96	2.27	22.7	0.06	0.04	5.25	5.29	0.03	1.33	1.37	5,192
Area	0.22	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77
Energy	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	265
Water	—	—	—	—	—	—	—	—	—	—	9.61
Waste	—	—	—	—	—	—	—	—	—	—	45.1
Refrig.	—	—	—	—	—	—	—	—	—	—	1,300
Total	3.19	2.34	23.0	0.06	0.04	5.25	5.29	0.04	1.33	1.37	6,811

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	422
Parking Lot	—	—	—	—	—	—	—	—	—	—	747

Total	—	—	—	—	—	—	—	—	—	—	1,169
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	422
Parking Lot	—	—	—	—	—	—	—	—	—	—	747
Total	—	—	—	—	—	—	—	—	—	—	1,169
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	69.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	124
Total	—	—	—	—	—	—	—	—	—	—	194

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	422
Parking Lot	—	—	—	—	—	—	—	—	—	—	747
Total	—	—	—	—	—	—	—	—	—	—	1,169
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	422
Parking Lot	—	—	—	—	—	—	—	—	—	—	747
Total	—	—	—	—	—	—	—	—	—	—	1,169
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	69.9

Parking Lot	—	—	—	—	—	—	—	—	—	—	124
Total	—	—	—	—	—	—	—	—	—	—	194

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	71.2
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	71.2

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Automobile Care Center	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.36	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	430
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	71.2
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	71.2

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.87	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.27	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Total	1.29	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Consumer Products	0.87	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—	—	—	—
Total	1.02	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77
Total	0.22	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.87	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.27	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Total	1.29	0.01	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	6.80
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.87	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	—	—	—	—	—	—	—	—	—	—
Total	1.02	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77
Total	0.22	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.77

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	58.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	58.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	58.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	58.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	9.61
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	9.61

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	58.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	58.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	58.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	58.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	9.61
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	9.61

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	273

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	273
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	273
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	273
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	45.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	45.1

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	273
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	273
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	273
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	273
Annual	—	—	—	—	—	—	—	—	—	—	—

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	45.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	45.1

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	7,849
Total	—	—	—	—	—	—	—	—	—	—	7,849
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	7,849
Total	—	—	—	—	—	—	—	—	—	—	7,849
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	1,300
Total	—	—	—	—	—	—	—	—	—	—	1,300

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	7,849
Total	—	—	—	—	—	—	—	—	—	—	7,849
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	7,849
Total	—	—	—	—	—	—	—	—	—	—	7,849
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	1,300
Total	—	—	—	—	—	—	—	—	—	—	1,300

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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
Total all Land Uses	5,403	5,403	5,403	1,972,095	41,036	41,036	41,036	14,978,140

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	5,403	5,403	5,403	1,972,095	41,036	41,036	41,036	14,978,140

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

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	56,790	18,930	44,431

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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)
Automobile Care Center	366,721	417	0.0489	0.0069	1,337,840
Parking Lot	648,696	417	0.0489	0.0069	0.00

5.11.2. Mitigated

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)
Automobile Care Center	366,721	417	0.0489	0.0069	1,337,840
Parking Lot	648,696	417	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Automobile Care Center	3,561,911	140,246
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Automobile Care Center	3,561,911	140,246
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Automobile Care Center	145	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Automobile Care Center	145	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Automobile Care Center	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.14.2. Mitigated

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

Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Automobile Care Center	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

8. User Changes to Default Data

Screen	Justification

Construction: Construction Phases	Site Specific - See Construction Assumptions
Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions
Construction: On-Road Fugitive Dust	Site Specific - See Construction Assumptions
Characteristics: Utility Information	Forecasted based on 2023 LADWP Power Content Label and compliance with SB100.
Construction: Electricity	2023 LADWP Power Content

9000 Airport 1 Building Option- Construction Regional Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

3.2. Demolition (2026) - Mitigated

3.3. Grading (2026) - Unmitigated

3.4. Grading (2026) - Mitigated

3.5. Building Foundation (2026) - Unmitigated

3.6. Building Foundation (2026) - Mitigated

3.7. Building Construction (2026) - Unmitigated

3.8. Building Construction (2026) - Mitigated

3.9. Building Construction (2027) - Unmitigated

3.10. Building Construction (2027) - Mitigated

3.11. Paving (2027) - Unmitigated

3.12. Paving (2027) - Mitigated

3.13. Architectural Coating (2027) - Unmitigated

3.14. Architectural Coating (2027) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	9000 Airport 1 Building Option- Construction Regional
Construction Start Date	5/1/2023
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Unrefrigerated Warehouse-No Rail	345	1000sqft	7.93	345,390	94,400	0.00	—	—

General Office Building	80.0	1000sqft	1.84	80,000	0.00	0.00	—	—
Parking Lot	558	Space	5.02	0.00	0.00	0.00	—	—
Refrigerated Warehouse-No Rail	10.0	1000sqft	0.23	10,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.1	46.1	68.4	0.15	1.59	13.3	14.8	1.46	3.02	4.47	20,467
Mit.	25.8	21.4	72.5	0.15	0.32	8.23	8.55	0.31	2.52	2.83	20,467
% Reduced	11%	53%	-6%	—	80%	38%	42%	78%	17%	37%	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.7	27.8	44.7	0.07	0.95	2.79	3.74	0.87	0.52	1.39	8,429
Mit.	24.9	14.9	47.8	0.07	0.20	1.91	2.10	0.18	0.43	0.62	8,429
% Reduced	7%	46%	-7%	—	79%	32%	44%	79%	17%	56%	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.1	15.5	24.6	0.04	0.50	2.77	3.22	0.46	0.48	0.90	4,782

Mit.	12.0	8.09	26.3	0.04	0.10	1.44	1.54	0.10	0.35	0.45	4,782
% Reduced	8%	48%	-7%	—	80%	48%	52%	79%	27%	50%	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.39	2.82	4.50	0.01	0.09	0.51	0.59	0.08	0.09	0.16	792
Mit.	2.19	1.48	4.81	0.01	0.02	0.26	0.28	0.02	0.06	0.08	792
% Reduced	8%	48%	-7%	—	80%	48%	52%	79%	27%	50%	—

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	3.90	45.4	45.8	0.15	1.56	13.3	14.8	1.45	3.02	4.47	20,467
2027	29.1	46.1	68.4	0.11	1.59	8.79	10.4	1.46	1.23	2.70	13,775
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	3.37	27.8	44.7	0.07	0.95	2.79	3.74	0.87	0.52	1.39	8,429
2027	26.7	26.5	44.1	0.07	0.82	2.79	3.61	0.76	0.52	1.28	8,384
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	1.46	13.8	18.7	0.04	0.45	2.77	3.22	0.41	0.48	0.90	4,777
2027	13.1	15.5	24.6	0.04	0.50	2.04	2.54	0.46	0.34	0.79	4,782
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.27	2.51	3.42	0.01	0.08	0.51	0.59	0.08	0.09	0.16	791
2027	2.39	2.82	4.50	0.01	0.09	0.37	0.46	0.08	0.06	0.14	792

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	1.43	21.4	49.2	0.15	0.32	8.23	8.55	0.31	2.52	2.83	20,467
2027	25.8	21.4	72.5	0.11	0.26	3.49	3.76	0.26	0.71	0.96	13,775
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	1.43	14.9	47.8	0.07	0.20	1.91	2.10	0.18	0.43	0.62	8,429
2027	24.9	14.7	47.3	0.07	0.18	1.91	2.09	0.17	0.43	0.61	8,384
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	0.59	7.53	20.1	0.04	0.10	1.44	1.54	0.10	0.35	0.45	4,777
2027	12.0	8.09	26.3	0.04	0.10	1.11	1.21	0.10	0.24	0.34	4,782
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.11	1.37	3.67	0.01	0.02	0.26	0.28	0.02	0.06	0.08	791
2027	2.19	1.48	4.81	0.01	0.02	0.20	0.22	0.02	0.04	0.06	792

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	18.0	27.3	0.04	0.81	—	0.81	0.74	—	0.74	4,594
Demolition	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—
Onsite truck	0.06	1.37	1.02	< 0.005	< 0.005	3.31	3.31	< 0.005	0.33	0.33	229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.04	1.57	< 0.005	0.05	—	0.05	0.04	—	0.04	264
Demolition	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.18	0.18	< 0.005	0.02	0.02	13.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	43.8
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	2.19
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06	275
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.16	0.43	0.01	0.01	0.28	0.29	0.01	0.08	0.09	1,064
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	61.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.1

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.02	29.2	0.04	0.09	—	0.09	0.09	—	0.09	4,594
Demolition	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—
Onsite truck	0.06	1.37	1.02	< 0.005	< 0.005	0.54	0.54	< 0.005	0.06	0.06	229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.17	1.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	264
Demolition	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	13.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	43.8
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.19
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06	275
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.16	0.43	0.01	0.01	0.28	0.29	0.01	0.08	0.09	1,064
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	61.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.1

3.3. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.59	29.9	35.7	0.06	1.40	—	1.40	1.29	—	1.29	6,967
Dust From Material Movement	—	—	—	—	—	3.61	3.61	—	1.43	1.43	—
Onsite truck	0.07	1.66	1.23	< 0.005	< 0.005	6.00	6.00	< 0.005	0.60	0.60	278
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.80	2.15	< 0.005	0.08	—	0.08	0.08	—	0.08	420
Dust From Material Movement	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—
Onsite truck	< 0.005	0.10	0.08	< 0.005	< 0.005	0.34	0.34	< 0.005	0.03	0.03	16.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.33	0.39	< 0.005	0.02	—	0.02	0.01	—	0.01	69.5

Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	2.78
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06	275
Vendor	0.02	0.69	0.33	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	652
Hauling	0.14	13.1	4.75	0.08	0.15	3.22	3.38	0.15	0.88	1.04	12,293
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	15.9
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	39.3
Hauling	0.01	0.83	0.29	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	740
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.64
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	6.50
Hauling	< 0.005	0.15	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	123

3.4. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	5.89	41.6	0.06	0.16	—	0.16	0.16	—	0.16	6,967

Dust From Material Movement	—	—	—	—	—	3.61	3.61	—	1.43	1.43	—
Onsite truck	0.07	1.66	1.23	< 0.005	< 0.005	0.97	0.97	< 0.005	0.10	0.10	278
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.36	2.51	< 0.005	0.01	—	0.01	0.01	—	0.01	420
Dust From Material Movement	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—
Onsite truck	< 0.005	0.10	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	16.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	69.5
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.78
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06	275
Vendor	0.02	0.69	0.33	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	652
Hauling	0.14	13.1	4.75	0.08	0.15	3.22	3.38	0.15	0.88	1.04	12,293
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	15.9
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	39.3
Hauling	0.01	0.83	0.29	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	740

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.64
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	6.50
Hauling	< 0.005	0.15	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	123

3.5. Building Foundation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	11.0	12.2	0.02	0.42	—	0.42	0.39	—	0.39	1,808
Onsite truck	0.13	2.91	2.16	0.01	< 0.005	10.5	10.5	< 0.005	1.05	1.06	487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.84	0.94	< 0.005	0.03	—	0.03	0.03	—	0.03	139
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.77	0.77	< 0.005	0.08	0.08	37.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	23.0
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	6.21
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	1.68	0.00	0.00	0.34	0.34	0.00	0.08	0.08	357
Vendor	0.17	9.70	4.32	0.05	0.09	1.89	1.98	0.09	0.52	0.61	7,468
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	26.3
Vendor	0.01	0.78	0.33	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	572
Hauling	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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	4.36
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	94.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Foundation (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	7.34	12.0	0.02	0.18	—	0.18	0.17	—	0.17	1,808
Onsite truck	0.13	2.91	2.16	0.01	< 0.005	1.70	1.70	< 0.005	0.17	0.17	487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.56	0.92	< 0.005	0.01	—	0.01	0.01	—	0.01	139
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	37.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	23.0
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	6.21

Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	1.68	0.00	0.00	0.34	0.34	0.00	0.08	0.08	357
Vendor	0.17	9.70	4.32	0.05	0.09	1.89	1.98	0.09	0.52	0.61	7,468
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.03	0.03	0.00	0.01	0.01	26.3
Vendor	0.01	0.78	0.33	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	572
Hauling	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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	4.36
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	94.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.90	26.2	37.5	0.06	0.94	—	0.94	0.86	—	0.86	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	48.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.90	26.2	37.5	0.06	0.94	—	0.94	0.86	—	0.86	6,167

Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	49.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	7.49	10.7	0.02	0.27	—	0.27	0.25	—	0.25	1,762
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.29	0.29	< 0.005	0.03	0.03	14.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.37	1.96	< 0.005	0.05	—	0.05	0.04	—	0.04	292
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	2.31
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.47	7.75	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,650
Vendor	0.02	0.69	0.33	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	652
Hauling	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	0.44	0.52	6.61	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,560
Vendor	0.02	0.72	0.34	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	651
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.16	1.98	0.00	0.00	0.44	0.44	0.00	0.10	0.10	453
Vendor	0.01	0.21	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	186
Hauling	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	0.03	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	75.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	30.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	13.4	40.7	0.06	0.19	—	0.19	0.18	—	0.18	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	48.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	13.4	40.7	0.06	0.19	—	0.19	0.18	—	0.18	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	49.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	3.82	11.6	0.02	0.05	—	0.05	0.05	—	0.05	1,762
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	14.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.70	2.12	< 0.005	0.01	—	0.01	0.01	—	0.01	292
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.31
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.47	7.75	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,650
Vendor	0.02	0.69	0.33	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	652
Hauling	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	0.44	0.52	6.61	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,560

Vendor	0.02	0.72	0.34	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	651
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.16	1.98	0.00	0.00	0.44	0.44	0.00	0.10	0.10	453
Vendor	0.01	0.21	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	186
Hauling	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	0.03	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02	75.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	30.8
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.74	25.0	37.4	0.06	0.82	—	0.82	0.75	—	0.75	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	47.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.74	25.0	37.4	0.06	0.82	—	0.82	0.75	—	0.75	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	48.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	12.3	18.4	0.03	0.40	—	0.40	0.37	—	0.37	3,029
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.49	0.49	< 0.005	0.05	0.05	23.6
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.25	2.24	3.35	0.01	0.07	—	0.07	0.07	—	0.07	502
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	3.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.41	7.21	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,618
Vendor	0.02	0.66	0.31	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	639
Hauling	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	0.42	0.52	6.11	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,529
Vendor	0.02	0.68	0.32	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	638
Hauling	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	0.21	0.25	3.15	0.00	0.00	0.76	0.76	0.00	0.18	0.18	763
Vendor	0.01	0.34	0.16	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	313
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03	126
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	51.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.94	13.2	40.7	0.06	0.18	—	0.18	0.17	—	0.17	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	47.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	13.2	40.7	0.06	0.18	—	0.18	0.17	—	0.17	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	48.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	6.51	20.0	0.03	0.09	—	0.09	0.08	—	0.08	3,029
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	23.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.19	3.65	0.01	0.02	—	0.02	0.02	—	0.02	502
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	3.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.41	7.21	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,618
Vendor	0.02	0.66	0.31	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	639
Hauling	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	0.42	0.52	6.11	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,529
Vendor	0.02	0.68	0.32	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	638
Hauling	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	0.21	0.25	3.15	0.00	0.00	0.76	0.76	0.00	0.18	0.18	763
Vendor	0.01	0.34	0.16	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	313
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.58	0.00	0.00	0.14	0.14	0.00	0.03	0.03	126
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	51.9
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	16.9	19.7	0.03	0.76	—	0.76	0.69	—	0.69	3,380
Paving	0.29	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	5.27	5.27	< 0.005	0.53	0.53	239
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	2.08	2.43	< 0.005	0.09	—	0.09	0.09	—	0.09	417
Paving	0.04	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.18	0.14	< 0.005	< 0.005	0.62	0.62	< 0.005	0.06	0.06	29.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.38	0.44	< 0.005	0.02	—	0.02	0.02	—	0.02	69.0
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	4.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.11	0.10	1.80	0.00	0.00	0.39	0.39	0.00	0.09	0.09	405
Vendor	0.04	1.32	0.63	0.01	0.01	0.34	0.35	0.01	0.09	0.10	1,278
Hauling	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	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	47.9
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	157
Hauling	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.93
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	26.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.90	20.6	0.03	0.07	—	0.07	0.07	—	0.07	3,380
Paving	0.29	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.85	0.85	< 0.005	0.09	0.09	239
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.48	2.54	< 0.005	0.01	—	0.01	0.01	—	0.01	417
Paving	0.04	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.01	0.18	0.14	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	29.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	69.0
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	4.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	1.80	0.00	0.00	0.39	0.39	0.00	0.09	0.09	405
Vendor	0.04	1.32	0.63	0.01	0.01	0.34	0.35	0.01	0.09	0.10	1,278
Hauling	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	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	47.9
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	157
Hauling	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.93
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	26.1
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	23.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	23.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	11.2	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.05	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
Vendor	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
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
Vendor	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
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
Vendor	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

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	23.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	23.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	11.2	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.05	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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

Vendor	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
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	5/1/2026	5/31/2026	5.00	21.0	—
Grading	Grading	6/1/2026	6/30/2026	5.00	22.0	—
Building Foundation	Building Construction	7/1/2026	8/7/2026	5.00	28.0	—
Building Construction	Building Construction	8/8/2026	9/8/2027	5.00	283	—
Paving	Paving	7/8/2027	9/8/2027	5.00	45.0	—
Architectural Coating	Architectural Coating	1/8/2027	9/8/2027	5.00	174	—

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	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Average	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading	Graders	Diesel	Average	3.00	8.00	148	0.41
Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Building Foundation	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Foundation	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Foundation	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Foundation	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Foundation	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Foundation	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Foundation	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Building Construction	Aerial Lifts	Diesel	Average	3.00	8.00	46.0	0.31
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43

Building Construction	Excavators	Diesel	Average	2.00	8.00	158	0.38
Building Construction	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Graders	Diesel	Average	1.00	8.00	148	0.41
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Paving	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40

Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading	Graders	Diesel	Tier 4 Final	3.00	8.00	148	0.41
Grading	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Foundation	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Foundation	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Foundation	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	3.00	8.00	46.0	0.31
Building Construction	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Building Construction	Excavators	Diesel	Average	1.00	8.00	158	0.38
Building Construction	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	8.00	96.0	0.40

Building Construction	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Trenchers	Diesel	Tier 4 Final	1.00	8.00	40.0	0.50

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	20.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	10.0	30.0	HHDT
Demolition	Onsite truck	94.0	0.19	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	20.0	10.2	HHDT,MHDT
Grading	Hauling	94.0	37.0	HHDT
Grading	Onsite truck	114	0.19	HHDT

Building Foundation	—	—	—	—
Building Foundation	Worker	26.0	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	200	10.2	HHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	200	0.19	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	40.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	100	0.19	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	20.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	20.0	0.19	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	20.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	10.0	30.0	HHDT
Demolition	Onsite truck	94.0	0.19	HHDT

Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	20.0	10.2	HHDT,MHDT
Grading	Hauling	94.0	37.0	HHDT
Grading	Onsite truck	114	0.19	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	26.0	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	200	10.2	HHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	200	0.19	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	40.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	100	0.19	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	20.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	20.0	0.19	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

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	653,085	217,695	13,125

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	32,820	—
Grading	9,612	1,460	66.0	0.00	—
Paving	0.00	0.00	0.00	0.00	5.02

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

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

General Office Building	0.00	0%
Parking Lot	5.02	100%
Refrigerated 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	635	499	0.05	0.01
2027	635	499	0.05	0.01

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Site Specific - See Construction Assumptions
Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions
Construction: On-Road Fugitive Dust	Site Specific - See Construction Assumptions
Characteristics: Utility Information	2023 LADWP POWER CONTENT LABEL
Construction: Electricity	2023 LADWP Power Content

9000 Airport 3 Buildings-Construction Regional Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

3.2. Demolition (2026) - Mitigated

3.3. Grading (2026) - Unmitigated

3.4. Grading (2026) - Mitigated

3.5. Building Foundation (2026) - Unmitigated

3.6. Building Foundation (2026) - Mitigated

3.7. Building Construction (2026) - Unmitigated

3.8. Building Construction (2026) - Mitigated

3.9. Building Construction (2027) - Unmitigated

3.10. Building Construction (2027) - Mitigated

3.11. Paving (2027) - Unmitigated

3.12. Paving (2027) - Mitigated

3.13. Architectural Coating (2027) - Unmitigated

3.14. Architectural Coating (2027) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	9000 Airport 3 Buildings-Construction Regional
Construction Start Date	5/1/2023
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Refrigerated Warehouse-No Rail	10.0	1000sqft	0.23	10,000	0.00	—	—	—

General Office Building	90.0	1000sqft	2.07	90,000	0.00	0.00	—	—
Parking Lot	639	Space	5.75	0.00	0.00	0.00	—	—
Industrial Park	310	1000sqft	7.12	310,056	120,400	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.9	62.3	68.4	0.19	2.00	22.2	24.2	1.85	4.03	5.88	24,726
Mit.	24.3	34.7	73.1	0.19	0.52	10.3	10.8	0.50	2.84	3.33	24,726
% Reduced	13%	44%	-7%	—	74%	54%	55%	73%	30%	43%	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.4	27.8	44.7	0.07	0.95	2.79	3.74	0.87	0.52	1.39	8,429
Mit.	23.4	13.8	48.4	0.07	0.12	1.91	2.03	0.12	0.43	0.55	8,429
% Reduced	8%	50%	-8%	—	87%	32%	46%	86%	17%	60%	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.4	15.4	24.0	0.04	0.52	2.71	3.23	0.47	0.48	0.95	5,025
Mit.	11.3	7.75	26.0	0.04	0.08	1.46	1.54	0.08	0.35	0.44	5,025

% Reduced	9%	50%	-8%	—	84%	46%	52%	83%	26%	54%	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.27	2.80	4.39	0.01	0.09	0.50	0.59	0.09	0.09	0.17	832
Mit.	2.06	1.41	4.74	0.01	0.02	0.27	0.28	0.01	0.06	0.08	832
% Reduced	9%	50%	-8%	—	84%	46%	52%	83%	26%	54%	—

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	5.54	62.3	66.2	0.19	2.00	22.2	24.2	1.85	4.03	5.88	24,726
2027	27.9	46.1	68.4	0.11	1.59	8.79	10.4	1.46	1.23	2.70	13,775
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	3.37	27.8	44.7	0.07	0.95	2.79	3.74	0.87	0.52	1.39	8,429
2027	25.4	26.5	44.1	0.07	0.82	2.79	3.61	0.76	0.52	1.28	8,384
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	1.70	15.4	21.9	0.04	0.52	2.71	3.23	0.47	0.48	0.95	5,025
2027	12.4	15.1	24.0	0.04	0.49	2.01	2.49	0.45	0.33	0.78	4,667
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.31	2.80	3.99	0.01	0.09	0.50	0.59	0.09	0.09	0.17	832
2027	2.27	2.76	4.39	0.01	0.09	0.37	0.46	0.08	0.06	0.14	773

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	2.26	34.7	69.7	0.19	0.52	10.3	10.8	0.50	2.84	3.33	24,726
2027	24.3	20.4	73.1	0.11	0.20	3.49	3.69	0.20	0.71	0.90	13,775
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	1.19	13.8	48.4	0.07	0.12	1.91	2.03	0.12	0.43	0.55	8,429
2027	23.4	13.8	47.9	0.07	0.12	1.91	2.03	0.12	0.43	0.55	8,384
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	0.60	7.75	23.7	0.04	0.08	1.46	1.54	0.08	0.35	0.44	5,025
2027	11.3	7.42	26.0	0.04	0.07	1.09	1.15	0.07	0.24	0.30	4,667
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.11	1.41	4.32	0.01	0.02	0.27	0.28	0.01	0.06	0.08	832
2027	2.06	1.35	4.74	0.01	0.01	0.20	0.21	0.01	0.04	0.06	773

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	18.0	27.3	0.04	0.81	—	0.81	0.74	—	0.74	4,594
Demolition	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—
Onsite truck	0.06	1.37	1.02	< 0.005	< 0.005	3.31	3.31	< 0.005	0.33	0.33	229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.04	1.57	< 0.005	0.05	—	0.05	0.04	—	0.04	264
Demolition	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.18	0.18	< 0.005	0.02	0.02	13.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	43.8
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	2.19
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06	275
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.16	0.43	0.01	0.01	0.28	0.29	0.01	0.08	0.09	1,064
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	61.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.1

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.02	29.2	0.04	0.09	—	0.09	0.09	—	0.09	4,594
Demolition	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—
Onsite truck	0.06	1.37	1.02	< 0.005	< 0.005	0.54	0.54	< 0.005	0.06	0.06	229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.17	1.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	264
Demolition	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	13.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	43.8
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.19
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06	275
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.16	0.43	0.01	0.01	0.28	0.29	0.01	0.08	0.09	1,064
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	61.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.1

3.3. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.59	29.9	35.7	0.06	1.40	—	1.40	1.29	—	1.29	6,967
Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—
Onsite truck	0.05	1.02	0.76	< 0.005	< 0.005	3.69	3.69	< 0.005	0.37	0.37	170
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.80	2.15	< 0.005	0.08	—	0.08	0.08	—	0.08	420
Dust From Material Movement	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—
Onsite truck	< 0.005	0.06	0.05	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	10.3
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.33	0.39	< 0.005	0.02	—	0.02	0.01	—	0.01	69.5

Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	1.71
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06	275
Vendor	0.02	0.69	0.33	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	652
Hauling	0.07	6.98	2.53	0.04	0.08	1.71	1.80	0.08	0.47	0.55	6,539
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	15.9
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	39.3
Hauling	< 0.005	0.44	0.15	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	394
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.64
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	6.50
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	65.2

3.4. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	5.89	41.6	0.06	0.16	—	0.16	0.16	—	0.16	6,967

Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—
Onsite truck	0.05	1.02	0.76	< 0.005	< 0.005	0.59	0.60	< 0.005	0.06	0.06	170
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.36	2.51	< 0.005	0.01	—	0.01	0.01	—	0.01	420
Dust From Material Movement	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—
Onsite truck	< 0.005	0.06	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	10.3
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	69.5
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.71
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06	275
Vendor	0.02	0.69	0.33	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	652
Hauling	0.07	6.98	2.53	0.04	0.08	1.71	1.80	0.08	0.47	0.55	6,539
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	15.9
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	39.3
Hauling	< 0.005	0.44	0.15	< 0.005	< 0.005	0.10	0.11	< 0.005	0.03	0.03	394

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	2.64
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	6.50
Hauling	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	65.2

3.5. Building Foundation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	11.0	12.2	0.02	0.42	—	0.42	0.39	—	0.39	1,808
Onsite truck	0.13	2.91	2.16	0.01	< 0.005	10.5	10.5	< 0.005	1.05	1.06	487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.81	0.90	< 0.005	0.03	—	0.03	0.03	—	0.03	134
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.74	0.74	< 0.005	0.07	0.07	36.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	22.1
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	5.99
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	1.68	0.00	0.00	0.34	0.34	0.00	0.08	0.08	357
Vendor	0.17	9.70	4.32	0.05	0.09	1.89	1.98	0.09	0.52	0.61	7,468
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	25.4
Vendor	0.01	0.75	0.32	< 0.005	0.01	0.14	0.15	0.01	0.04	0.04	552
Hauling	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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	4.21
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	91.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Foundation (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	7.34	12.0	0.02	0.18	—	0.18	0.17	—	0.17	1,808
Onsite truck	0.13	2.91	2.16	0.01	< 0.005	1.70	1.70	< 0.005	0.17	0.17	487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.54	0.89	< 0.005	0.01	—	0.01	0.01	—	0.01	134
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	36.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	22.1
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.99

Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	1.68	0.00	0.00	0.34	0.34	0.00	0.08	0.08	357
Vendor	0.17	9.70	4.32	0.05	0.09	1.89	1.98	0.09	0.52	0.61	7,468
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	25.4
Vendor	0.01	0.75	0.32	< 0.005	0.01	0.14	0.15	0.01	0.04	0.04	552
Hauling	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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	4.21
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	91.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.90	26.2	37.5	0.06	0.94	—	0.94	0.86	—	0.86	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	48.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.90	26.2	37.5	0.06	0.94	—	0.94	0.86	—	0.86	6,167

Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	49.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.44	13.5	0.02	0.34	—	0.34	0.31	—	0.31	2,221
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.36	0.36	< 0.005	0.04	0.04	17.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.72	2.47	< 0.005	0.06	—	0.06	0.06	—	0.06	368
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	2.92
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.47	7.75	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,650
Vendor	0.02	0.69	0.33	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	652
Hauling	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	0.44	0.52	6.61	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,560
Vendor	0.02	0.72	0.34	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	651
Hauling	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	0.16	0.20	2.49	0.00	0.00	0.56	0.56	0.00	0.13	0.13	571
Vendor	0.01	0.26	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.45	0.00	0.00	0.10	0.10	0.00	0.02	0.02	94.5
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	38.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	12.3	41.2	0.06	0.11	—	0.11	0.11	—	0.11	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	48.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	12.3	41.2	0.06	0.11	—	0.11	0.11	—	0.11	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	49.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.41	14.9	0.02	0.04	—	0.04	0.04	—	0.04	2,221
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	17.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.81	2.71	< 0.005	0.01	—	0.01	0.01	—	0.01	368
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.92
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.47	7.75	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,650
Vendor	0.02	0.69	0.33	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	652
Hauling	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	0.44	0.52	6.61	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,560

Vendor	0.02	0.72	0.34	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	651
Hauling	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	0.16	0.20	2.49	0.00	0.00	0.56	0.56	0.00	0.13	0.13	571
Vendor	0.01	0.26	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.45	0.00	0.00	0.10	0.10	0.00	0.02	0.02	94.5
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	38.8
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.74	25.0	37.4	0.06	0.82	—	0.82	0.75	—	0.75	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	47.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.74	25.0	37.4	0.06	0.82	—	0.82	0.75	—	0.75	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	48.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.31	11.9	17.9	0.03	0.39	—	0.39	0.36	—	0.36	2,945
Onsite truck	0.01	0.14	0.10	< 0.005	< 0.005	0.48	0.48	< 0.005	0.05	0.05	22.9
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.24	2.18	3.26	0.01	0.07	—	0.07	0.07	—	0.07	488
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	3.80
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.41	7.21	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,618
Vendor	0.02	0.66	0.31	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	639
Hauling	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	0.42	0.52	6.11	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,529
Vendor	0.02	0.68	0.32	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	638
Hauling	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	0.20	0.25	3.06	0.00	0.00	0.74	0.74	0.00	0.17	0.17	742
Vendor	0.01	0.33	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	305
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.56	0.00	0.00	0.14	0.14	0.00	0.03	0.03	123
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	50.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.72	12.3	41.2	0.06	0.11	—	0.11	0.11	—	0.11	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	47.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	12.3	41.2	0.06	0.11	—	0.11	0.11	—	0.11	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	48.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	5.85	19.7	0.03	0.05	—	0.05	0.05	—	0.05	2,945
Onsite truck	0.01	0.14	0.10	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	22.9
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.07	3.59	0.01	0.01	—	0.01	0.01	—	0.01	488
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	3.80
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.41	7.21	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,618
Vendor	0.02	0.66	0.31	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	639
Hauling	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	0.42	0.52	6.11	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,529
Vendor	0.02	0.68	0.32	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	638
Hauling	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	0.20	0.25	3.06	0.00	0.00	0.74	0.74	0.00	0.17	0.17	742
Vendor	0.01	0.33	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	305
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.56	0.00	0.00	0.14	0.14	0.00	0.03	0.03	123
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	50.4
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	16.9	19.7	0.03	0.76	—	0.76	0.69	—	0.69	3,380
Paving	0.33	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	5.27	5.27	< 0.005	0.53	0.53	239
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	2.08	2.43	< 0.005	0.09	—	0.09	0.09	—	0.09	417
Paving	0.04	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.18	0.14	< 0.005	< 0.005	0.62	0.62	< 0.005	0.06	0.06	29.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.38	0.44	< 0.005	0.02	—	0.02	0.02	—	0.02	69.0
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	4.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.11	0.10	1.80	0.00	0.00	0.39	0.39	0.00	0.09	0.09	405
Vendor	0.04	1.32	0.63	0.01	0.01	0.34	0.35	0.01	0.09	0.10	1,278
Hauling	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	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	47.9
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	157
Hauling	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.93
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	26.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.90	20.6	0.03	0.07	—	0.07	0.07	—	0.07	3,380
Paving	0.33	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.85	0.85	< 0.005	0.09	0.09	239
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.48	2.54	< 0.005	0.01	—	0.01	0.01	—	0.01	417
Paving	0.04	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.01	0.18	0.14	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	29.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	69.0
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	4.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	1.80	0.00	0.00	0.39	0.39	0.00	0.09	0.09	405
Vendor	0.04	1.32	0.63	0.01	0.01	0.34	0.35	0.01	0.09	0.10	1,278
Hauling	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	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	47.9
Vendor	< 0.005	0.17	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	157
Hauling	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	7.93
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	26.1
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	22.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	22.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	10.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.94	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Vendor	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
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
Vendor	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
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
Vendor	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

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	22.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	22.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	10.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.94	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Vendor	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
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	5/1/2026	5/31/2026	5.00	21.0	—
Grading	Grading	6/1/2026	6/30/2026	5.00	22.0	—
Building Foundation	Building Construction	6/16/2026	7/22/2026	5.00	27.0	—
Building Construction	Building Construction	7/1/2026	9/1/2027	5.00	306	—
Paving	Paving	7/1/2027	9/1/2027	5.00	45.0	—
Architectural Coating	Architectural Coating	1/1/2027	9/1/2027	5.00	174	—

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	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Average	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading	Graders	Diesel	Average	3.00	8.00	148	0.41
Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Building Foundation	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Foundation	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Foundation	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Foundation	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Foundation	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Foundation	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Foundation	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Building Construction	Aerial Lifts	Diesel	Average	3.00	8.00	46.0	0.31
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43

Building Construction	Excavators	Diesel	Average	2.00	8.00	158	0.38
Building Construction	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Graders	Diesel	Average	1.00	8.00	148	0.41
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Paving	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40

Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading	Graders	Diesel	Tier 4 Final	3.00	8.00	148	0.41
Grading	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Foundation	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Foundation	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Foundation	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	3.00	8.00	46.0	0.31
Building Construction	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Building Construction	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

Building Construction	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Trenchers	Diesel	Tier 4 Final	1.00	8.00	40.0	0.50

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	20.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	10.0	30.0	HHDT
Demolition	Onsite truck	94.0	0.19	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	20.0	10.2	HHDT,MHDT
Grading	Hauling	50.0	37.0	HHDT
Grading	Onsite truck	70.0	0.19	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	26.0	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	200	10.2	HHDT

Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	200	0.19	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	40.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	100	0.19	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	20.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	20.0	0.19	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	20.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	10.0	30.0	HHDT
Demolition	Onsite truck	94.0	0.19	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	20.0	10.2	HHDT,MHDT

Grading	Hauling	50.0	37.0	HHDT
Grading	Onsite truck	70.0	0.19	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	26.0	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	200	10.2	HHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	200	0.19	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	40.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	100	0.19	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	20.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	20.0	0.19	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

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	615,084	205,028	15,031

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	32,820	—
Grading	5,350	5,350	66.0	0.00	—
Paving	0.00	0.00	0.00	0.00	5.75

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%
General Office Building	0.00	0%
Parking Lot	5.75	100%
Industrial Park	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	635	499	0.05	0.01
2027	635	499	0.05	0.01

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Site Specific - See Construction Assumptions
Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions
Construction: On-Road Fugitive Dust	Site Specific Assumptions
Characteristics: Utility Information	2023 LADWP POWER CONTENT LABEL
Construction: Electricity	2023 LADWP Power Content

9000 Airport 1 Building Option- Construction Localized Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

3.2. Demolition (2026) - Mitigated

3.3. Grading (2026) - Unmitigated

3.4. Grading (2026) - Mitigated

3.5. Building Foundation (2026) - Unmitigated

3.6. Building Foundation (2026) - Mitigated

3.7. Building Construction (2026) - Unmitigated

3.8. Building Construction (2026) - Mitigated

3.9. Building Construction (2027) - Unmitigated

3.10. Building Construction (2027) - Mitigated

3.11. Paving (2027) - Unmitigated

3.12. Paving (2027) - Mitigated

3.13. Architectural Coating (2027) - Unmitigated

3.14. Architectural Coating (2027) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	9000 Airport 1 Building Option- Construction Localized
Construction Start Date	5/1/2023
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Unrefrigerated Warehouse-No Rail	345	1000sqft	7.93	345,390	94,400	0.00	—	—

General Office Building	80.0	1000sqft	1.84	80,000	0.00	0.00	—	—
Parking Lot	558	Space	5.02	0.00	0.00	0.00	—	—
Refrigerated Warehouse-No Rail	10.0	1000sqft	0.23	10,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—
Mit.	25.2	18.9	62.6	0.10	0.25	4.57	4.73	0.24	1.53	1.68	9,835
% Reduced	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—
Mit.	24.5	13.7	40.9	0.06	0.19	0.17	0.36	0.18	0.02	0.20	6,218
% Reduced	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—

Mit.	11.8	7.31	22.8	0.03	0.10	0.53	0.61	0.09	0.12	0.20	3,500
% Reduced	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—
Mit.	2.15	1.33	4.15	0.01	0.02	0.10	0.11	0.02	0.02	0.04	579
% Reduced	—	—	—	—	—	—	—	—	—	—	—

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	0.97	13.7	42.8	0.07	0.19	4.57	4.73	0.18	1.53	1.68	7,247
2027	25.2	18.9	62.6	0.10	0.25	1.02	1.27	0.24	0.10	0.35	9,835
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	0.97	13.7	40.9	0.06	0.19	0.17	0.36	0.18	0.02	0.20	6,218
2027	24.5	13.5	40.9	0.06	0.18	0.17	0.35	0.17	0.02	0.19	6,217

Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	0.42	5.41	17.1	0.03	0.08	0.53	0.61	0.08	0.12	0.20	2,667
2027	11.8	7.31	22.8	0.03	0.10	0.18	0.27	0.09	0.02	0.11	3,500
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.08	0.99	3.12	< 0.005	0.01	0.10	0.11	0.01	0.02	0.04	442
2027	2.15	1.33	4.15	0.01	0.02	0.03	0.05	0.02	< 0.005	0.02	579

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.02	29.2	0.04	0.09	—	0.09	0.09	—	0.09	4,594
Demolition	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—
Onsite truck	0.06	1.37	1.02	< 0.005	< 0.005	0.54	0.54	< 0.005	0.06	0.06	229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.17	1.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	264
Demolition	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	13.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	43.8
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.19
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

3.4. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	5.89	41.6	0.06	0.16	—	0.16	0.16	—	0.16	6,967
Dust From Material Movement	—	—	—	—	—	3.61	3.61	—	1.43	1.43	—
Onsite truck	0.07	1.66	1.23	< 0.005	< 0.005	0.97	0.97	< 0.005	0.10	0.10	278
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.36	2.51	< 0.005	0.01	—	0.01	0.01	—	0.01	420
Dust From Material Movement	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—
Onsite truck	< 0.005	0.10	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	16.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	69.5
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.78
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Foundation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

3.6. Building Foundation (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	7.34	12.0	0.02	0.18	—	0.18	0.17	—	0.17	1,808
Onsite truck	0.13	2.91	2.16	0.01	< 0.005	1.70	1.70	< 0.005	0.17	0.17	487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.56	0.92	< 0.005	0.01	—	0.01	0.01	—	0.01	139
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	37.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	23.0
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	6.21
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

3.8. Building Construction (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	13.4	40.7	0.06	0.19	—	0.19	0.18	—	0.18	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	48.7

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	13.4	40.7	0.06	0.19	—	0.19	0.18	—	0.18	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	49.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	3.82	11.6	0.02	0.05	—	0.05	0.05	—	0.05	1,762
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	14.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.70	2.12	< 0.005	0.01	—	0.01	0.01	—	0.01	292
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.31
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
Vendor	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
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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

Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

3.10. Building Construction (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	13.2	40.7	0.06	0.18	—	0.18	0.17	—	0.17	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	47.8

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	13.2	40.7	0.06	0.18	—	0.18	0.17	—	0.17	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	48.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	6.51	20.0	0.03	0.09	—	0.09	0.08	—	0.08	3,029
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	23.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.19	3.65	0.01	0.02	—	0.02	0.02	—	0.02	502
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	3.91
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
Vendor	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
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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

Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

3.12. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.90	20.6	0.03	0.07	—	0.07	0.07	—	0.07	3,380
Paving	0.29	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.85	0.85	< 0.005	0.09	0.09	239

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.48	2.54	< 0.005	0.01	—	0.01	0.01	—	0.01	417
Paving	0.04	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.18	0.14	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	29.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	69.0
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	4.90
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

3.14. Architectural Coating (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	23.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	23.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	11.2	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.05	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
Vendor	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
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	5/1/2026	5/31/2026	5.00	21.0	—
Grading	Grading	6/1/2026	6/30/2026	5.00	22.0	—

Building Foundation	Building Construction	7/1/2026	8/7/2026	5.00	28.0	—
Building Construction	Building Construction	8/8/2026	9/8/2027	5.00	283	—
Paving	Paving	7/8/2027	9/8/2027	5.00	45.0	—
Architectural Coating	Architectural Coating	1/8/2027	9/8/2027	5.00	174	—

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	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Average	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading	Graders	Diesel	Average	3.00	8.00	148	0.41
Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Building Foundation	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Foundation	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Foundation	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20

Building Foundation	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Foundation	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Foundation	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Foundation	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Building Construction	Aerial Lifts	Diesel	Average	3.00	8.00	46.0	0.31
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Building Construction	Excavators	Diesel	Average	2.00	8.00	158	0.38
Building Construction	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Graders	Diesel	Average	1.00	8.00	148	0.41
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Paving	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading	Graders	Diesel	Tier 4 Final	3.00	8.00	148	0.41
Grading	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Foundation	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Foundation	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Foundation	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	3.00	8.00	46.0	0.31

Building Construction	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Building Construction	Excavators	Diesel	Average	1.00	8.00	158	0.38
Building Construction	Excavators	Diesel	Tier 4 Final	1.00	8.00	158	0.38
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Trenchers	Diesel	Tier 4 Final	1.00	8.00	40.0	0.50

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	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	30.0	HHDT
Demolition	Onsite truck	94.0	0.19	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	37.0	HHDT
Grading	Onsite truck	114	0.19	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	0.00	10.2	HHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	200	0.19	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	100	0.19	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	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	20.0	0.19	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	30.0	HHDT
Demolition	Onsite truck	94.0	0.19	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	37.0	HHDT
Grading	Onsite truck	114	0.19	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	0.00	10.2	HHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	200	0.19	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	100	0.19	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	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	20.0	0.19	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

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	653,085	217,695	13,125

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	32,820	—
Grading	9,612	1,460	66.0	0.00	—

Paving	0.00	0.00	0.00	0.00	5.02

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
General Office Building	0.00	0%
Parking Lot	5.02	100%
Refrigerated 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	635	499	0.05	0.01
2027	635	499	0.05	0.01

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Site Specific - See Construction Assumptions
Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions

Construction: On-Road Fugitive Dust	Site Specific - See Construction Assumptions
Characteristics: Utility Information	2023 LADWP POWER CONTENT LABEL
Construction: Electricity	2023 LADWP Power Content

9000 Airport 3 Buildings-Construction Localized Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

3.2. Demolition (2026) - Mitigated

3.3. Grading (2026) - Unmitigated

3.4. Grading (2026) - Mitigated

3.5. Building Foundation (2026) - Unmitigated

3.6. Building Foundation (2026) - Mitigated

3.7. Building Construction (2026) - Unmitigated

3.8. Building Construction (2026) - Mitigated

3.9. Building Construction (2027) - Unmitigated

3.10. Building Construction (2027) - Mitigated

3.11. Paving (2027) - Unmitigated

3.12. Paving (2027) - Mitigated

3.13. Architectural Coating (2027) - Unmitigated

3.14. Architectural Coating (2027) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	9000 Airport 3 Buildings-Construction Localized
Construction Start Date	5/1/2023
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Refrigerated Warehouse-No Rail	10.0	1000sqft	0.23	10,000	0.00	—	—	—

General Office Building	90.0	1000sqft	2.07	90,000	0.00	0.00	—	—
Parking Lot	639	Space	5.75	0.00	0.00	0.00	—	—
Industrial Park	310	1000sqft	7.12	310,056	120,400	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.3	44.8	58.5	0.10	1.82	17.8	19.6	1.68	2.85	4.53	9,835
Mit.	23.8	22.8	63.2	0.10	0.34	5.90	6.24	0.32	1.66	1.98	9,835
% Reduced	13%	49%	-8%	—	82%	67%	68%	81%	42%	56%	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.0	26.5	37.8	0.06	0.94	1.05	1.99	0.86	0.11	0.97	6,218
Mit.	23.0	12.6	41.5	0.06	0.11	0.17	0.28	0.11	0.02	0.13	6,218
% Reduced	8%	53%	-10%	—	88%	84%	86%	87%	84%	86%	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	14.3	20.5	0.03	0.50	1.77	2.27	0.46	0.24	0.70	3,415
Mit.	11.1	6.65	22.5	0.03	0.07	0.52	0.59	0.07	0.12	0.19	3,415

% Reduced	9%	54%	-9%	—	86%	71%	74%	85%	51%	73%	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.23	2.62	3.75	0.01	0.09	0.32	0.41	0.08	0.04	0.13	565
Mit.	2.02	1.21	4.10	0.01	0.01	0.09	0.11	0.01	0.02	0.03	565
% Reduced	9%	54%	-9%	—	86%	71%	74%	85%	51%	73%	—

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	5.10	44.8	52.1	0.09	1.82	17.8	19.6	1.68	2.85	4.53	9,434
2027	27.3	43.6	58.5	0.10	1.57	6.32	7.89	1.45	0.63	2.08	9,835
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	2.91	26.5	37.8	0.06	0.94	1.05	1.99	0.86	0.11	0.97	6,218
2027	25.0	25.3	37.6	0.06	0.82	1.05	1.87	0.75	0.11	0.86	6,217
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	1.50	13.6	18.5	0.03	0.50	1.77	2.27	0.46	0.24	0.70	3,117
2027	12.2	14.3	20.5	0.03	0.48	1.10	1.58	0.44	0.11	0.55	3,415
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.27	2.47	3.37	0.01	0.09	0.32	0.41	0.08	0.04	0.13	516
2027	2.23	2.62	3.75	0.01	0.09	0.20	0.29	0.08	0.02	0.10	565

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	1.62	22.8	56.5	0.09	0.34	5.90	6.24	0.32	1.66	1.98	9,434
2027	23.8	17.9	63.2	0.10	0.19	1.02	1.21	0.19	0.10	0.29	9,835
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	0.73	12.6	41.5	0.06	0.11	0.17	0.28	0.11	0.02	0.13	6,218
2027	23.0	12.6	41.5	0.06	0.11	0.17	0.28	0.11	0.02	0.13	6,217
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	0.40	5.95	20.3	0.03	0.07	0.52	0.59	0.07	0.12	0.19	3,117
2027	11.1	6.65	22.5	0.03	0.06	0.18	0.24	0.06	0.02	0.08	3,415
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.07	1.09	3.70	0.01	0.01	0.09	0.11	0.01	0.02	0.03	516
2027	2.02	1.21	4.10	0.01	0.01	0.03	0.04	0.01	< 0.005	0.01	565

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	18.0	27.3	0.04	0.81	—	0.81	0.74	—	0.74	4,594
Demolition	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—
Onsite truck	0.06	1.37	1.02	< 0.005	< 0.005	3.31	3.31	< 0.005	0.33	0.33	229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.04	1.57	< 0.005	0.05	—	0.05	0.04	—	0.04	264
Demolition	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.18	0.18	< 0.005	0.02	0.02	13.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	43.8
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	2.19
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.02	29.2	0.04	0.09	—	0.09	0.09	—	0.09	4,594
Demolition	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—
Onsite truck	0.06	1.37	1.02	< 0.005	< 0.005	0.54	0.54	< 0.005	0.06	0.06	229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.17	1.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	264
Demolition	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	13.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	43.8
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.19
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.59	29.9	35.7	0.06	1.40	—	1.40	1.29	—	1.29	6,967
Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—
Onsite truck	0.05	1.02	0.76	< 0.005	< 0.005	3.69	3.69	< 0.005	0.37	0.37	170
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.80	2.15	< 0.005	0.08	—	0.08	0.08	—	0.08	420
Dust From Material Movement	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—
Onsite truck	< 0.005	0.06	0.05	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	10.3
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.33	0.39	< 0.005	0.02	—	0.02	0.01	—	0.01	69.5

Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	1.71
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	5.89	41.6	0.06	0.16	—	0.16	0.16	—	0.16	6,967

Dust From Material Movement	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—
Onsite truck	0.05	1.02	0.76	< 0.005	< 0.005	0.59	0.60	< 0.005	0.06	0.06	170
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.36	2.51	< 0.005	0.01	—	0.01	0.01	—	0.01	420
Dust From Material Movement	—	—	—	—	—	0.22	0.22	—	0.09	0.09	—
Onsite truck	< 0.005	0.06	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	10.3
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	69.5
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.71
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
Vendor	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
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
Vendor	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

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Foundation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	11.0	12.2	0.02	0.42	—	0.42	0.39	—	0.39	1,808
Onsite truck	0.13	2.91	2.16	0.01	< 0.005	10.5	10.5	< 0.005	1.05	1.06	487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.81	0.90	< 0.005	0.03	—	0.03	0.03	—	0.03	134
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.74	0.74	< 0.005	0.07	0.07	36.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	22.1
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	5.99
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
Vendor	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

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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Foundation (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	7.34	12.0	0.02	0.18	—	0.18	0.17	—	0.17	1,808
Onsite truck	0.13	2.91	2.16	0.01	< 0.005	1.70	1.70	< 0.005	0.17	0.17	487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.54	0.89	< 0.005	0.01	—	0.01	0.01	—	0.01	134
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	36.2
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	22.1
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.99

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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.90	26.2	37.5	0.06	0.94	—	0.94	0.86	—	0.86	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	48.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.90	26.2	37.5	0.06	0.94	—	0.94	0.86	—	0.86	6,167

Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	49.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.44	13.5	0.02	0.34	—	0.34	0.31	—	0.31	2,221
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.36	0.36	< 0.005	0.04	0.04	17.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.72	2.47	< 0.005	0.06	—	0.06	0.06	—	0.06	368
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	2.92
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
Vendor	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
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	12.3	41.2	0.06	0.11	—	0.11	0.11	—	0.11	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	48.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	12.3	41.2	0.06	0.11	—	0.11	0.11	—	0.11	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	49.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.41	14.9	0.02	0.04	—	0.04	0.04	—	0.04	2,221
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	17.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.81	2.71	< 0.005	0.01	—	0.01	0.01	—	0.01	368
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.92
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
Vendor	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
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

Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.74	25.0	37.4	0.06	0.82	—	0.82	0.75	—	0.75	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	47.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.74	25.0	37.4	0.06	0.82	—	0.82	0.75	—	0.75	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	1.05	1.05	< 0.005	0.11	0.11	48.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.31	11.9	17.9	0.03	0.39	—	0.39	0.36	—	0.36	2,945
Onsite truck	0.01	0.14	0.10	< 0.005	< 0.005	0.48	0.48	< 0.005	0.05	0.05	22.9
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.24	2.18	3.26	0.01	0.07	—	0.07	0.07	—	0.07	488
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	3.80
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
Vendor	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
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.72	12.3	41.2	0.06	0.11	—	0.11	0.11	—	0.11	6,167
Onsite truck	0.01	0.29	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	47.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	12.3	41.2	0.06	0.11	—	0.11	0.11	—	0.11	6,167
Onsite truck	0.01	0.30	0.22	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	48.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	5.85	19.7	0.03	0.05	—	0.05	0.05	—	0.05	2,945
Onsite truck	0.01	0.14	0.10	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	22.9
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.07	3.59	0.01	0.01	—	0.01	0.01	—	0.01	488
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	3.80
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
Vendor	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
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
Vendor	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
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
Vendor	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

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	16.9	19.7	0.03	0.76	—	0.76	0.69	—	0.69	3,380
Paving	0.33	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	5.27	5.27	< 0.005	0.53	0.53	239
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	2.08	2.43	< 0.005	0.09	—	0.09	0.09	—	0.09	417
Paving	0.04	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.18	0.14	< 0.005	< 0.005	0.62	0.62	< 0.005	0.06	0.06	29.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.38	0.44	< 0.005	0.02	—	0.02	0.02	—	0.02	69.0
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	4.90
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.90	20.6	0.03	0.07	—	0.07	0.07	—	0.07	3,380
Paving	0.33	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.85	0.85	< 0.005	0.09	0.09	239
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.48	2.54	< 0.005	0.01	—	0.01	0.01	—	0.01	417
Paving	0.04	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.01	0.18	0.14	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	29.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	69.0
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	4.90
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	22.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	22.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	10.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.94	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Vendor	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
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
Vendor	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
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
Vendor	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

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	22.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	22.3	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	10.6	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.94	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Vendor	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
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
Vendor	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
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
Vendor	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	5/1/2026	5/31/2026	5.00	21.0	—
Grading	Grading	6/1/2026	6/30/2026	5.00	22.0	—
Building Foundation	Building Construction	6/16/2026	7/22/2026	5.00	27.0	—
Building Construction	Building Construction	7/1/2026	9/1/2027	5.00	306	—
Paving	Paving	7/1/2027	9/1/2027	5.00	45.0	—
Architectural Coating	Architectural Coating	1/1/2027	9/1/2027	5.00	174	—

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	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Average	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading	Graders	Diesel	Average	3.00	8.00	148	0.41
Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Building Foundation	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Foundation	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Foundation	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Foundation	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Foundation	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Foundation	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Foundation	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Building Construction	Aerial Lifts	Diesel	Average	3.00	8.00	46.0	0.31
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43

Building Construction	Excavators	Diesel	Average	2.00	8.00	158	0.38
Building Construction	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Construction	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Graders	Diesel	Average	1.00	8.00	148	0.41
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Paving	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40

Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading	Graders	Diesel	Tier 4 Final	3.00	8.00	148	0.41
Grading	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Building Foundation	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Foundation	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Foundation	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Foundation	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Foundation	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Foundation	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Foundation	Plate Compactors	Diesel	Average	3.00	8.00	8.00	0.43
Building Construction	Aerial Lifts	Diesel	Tier 4 Final	3.00	8.00	46.0	0.31
Building Construction	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Building Construction	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Building Construction	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	1.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37

Building Construction	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Trenchers	Diesel	Tier 4 Final	1.00	8.00	40.0	0.50

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	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	30.0	HHDT
Demolition	Onsite truck	94.0	0.19	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	37.0	HHDT
Grading	Onsite truck	70.0	0.19	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	0.00	10.2	HHDT

Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	200	0.19	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	100	0.19	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	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	20.0	0.19	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	30.0	HHDT
Demolition	Onsite truck	94.0	0.19	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT

Grading	Hauling	0.00	37.0	HHDT
Grading	Onsite truck	70.0	0.19	HHDT
Building Foundation	—	—	—	—
Building Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Foundation	Vendor	0.00	10.2	HHDT
Building Foundation	Hauling	0.00	20.0	HHDT
Building Foundation	Onsite truck	200	0.19	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	100	0.19	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	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	20.0	0.19	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

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	615,084	205,028	15,031

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	32,820	—
Grading	5,350	5,350	66.0	0.00	—
Paving	0.00	0.00	0.00	0.00	5.75

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%
General Office Building	0.00	0%
Parking Lot	5.75	100%
Industrial Park	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	635	499	0.05	0.01
2027	635	499	0.05	0.01

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Site Specific - See Construction Assumptions
Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions
Construction: On-Road Fugitive Dust	Site Specific Assumptions
Characteristics: Utility Information	2023 LADWP POWER CONTENT LABEL
Construction: Electricity	2023 LADWP Power Content

9000 Airport 1 Building Option-Operation (Passenger Vehicles) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

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	9000 Airport 1 Building Option-Operation (Passenger Vehicles)
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Industrial Park	345	1000sqft	7.93	345,390	94,400	—	—	—
General Office Building	80.0	1000sqft	1.84	80,000	0.00	0.00	—	—

Parking Lot	558	Space	5.02	0.00	0.00	0.00	—	—
Refrigerated Warehouse-No Rail	10.0	1000sqft	0.23	10,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.5	18.7	224	0.10	0.09	10.9	11.0	0.08	2.75	2.83	29,603
Mit.	18.5	18.7	224	0.10	0.09	10.9	11.0	0.08	2.75	2.83	28,554
% Reduced	—	—	—	—	—	—	—	—	—	—	4%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.3	18.9	201	0.10	0.06	10.9	10.9	0.05	2.75	2.81	28,995
Mit.	15.3	18.9	201	0.10	0.06	10.9	10.9	0.05	2.75	2.81	27,946
% Reduced	—	—	—	—	—	—	—	—	—	—	4%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.4	19.0	216	0.10	0.08	10.7	10.8	0.07	2.72	2.79	28,844
Mit.	17.4	19.0	216	0.10	0.08	10.7	10.8	0.07	2.72	2.79	27,795

% Reduced	—	—	—	—	—	—	—	—	—	—	4%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.18	3.47	39.3	0.02	0.01	1.96	1.97	0.01	0.50	0.51	4,775
Mit.	3.18	3.47	39.3	0.02	0.01	1.96	1.97	0.01	0.50	0.51	4,602
% Reduced	—	—	—	—	—	—	—	—	—	—	4%

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.91	2.66	46.7	0.10	0.06	10.9	10.9	0.05	2.75	2.81	10,431
Area	13.6	0.16	18.9	< 0.005	0.03	—	0.03	0.03	—	0.03	78.1
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,700
Water	—	—	—	—	—	—	—	—	—	—	1,556
Waste	—	—	—	—	—	—	—	—	—	—	966
Refrig.	—	—	—	—	—	—	—	—	—	—	357
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	18.5	18.7	224	0.10	0.09	10.9	11.0	0.08	2.75	2.83	29,603
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.88	2.97	42.8	0.10	0.06	10.9	10.9	0.05	2.75	2.81	9,901
Area	10.5	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,700
Water	—	—	—	—	—	—	—	—	—	—	1,556
Waste	—	—	—	—	—	—	—	—	—	—	966
Refrig.	—	—	—	—	—	—	—	—	—	—	357
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	15.3	18.9	201	0.10	0.06	10.9	10.9	0.05	2.75	2.81	28,995

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.83	3.00	44.0	0.10	0.06	10.7	10.8	0.05	2.72	2.78	10,051
Area	12.6	0.11	13.0	< 0.005	0.02	—	0.02	0.02	—	0.02	53.5
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,345
Water	—	—	—	—	—	—	—	—	—	—	1,556
Waste	—	—	—	—	—	—	—	—	—	—	966
Refrig.	—	—	—	—	—	—	—	—	—	—	357
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	17.4	19.0	216	0.10	0.08	10.7	10.8	0.07	2.72	2.79	28,844
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.88	0.55	8.02	0.02	0.01	1.96	1.97	0.01	0.50	0.51	1,664
Area	2.30	0.02	2.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.86
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	2,044
Water	—	—	—	—	—	—	—	—	—	—	258
Waste	—	—	—	—	—	—	—	—	—	—	160
Refrig.	—	—	—	—	—	—	—	—	—	—	59.0
Off-Road	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582
Total	3.18	3.47	39.3	0.02	0.01	1.96	1.97	0.01	0.50	0.51	4,775

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.91	2.66	46.7	0.10	0.06	10.9	10.9	0.05	2.75	2.81	10,431
Area	13.6	0.16	18.9	< 0.005	0.03	—	0.03	0.03	—	0.03	78.1
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,700
Water	—	—	—	—	—	—	—	—	—	—	1,245

Waste	—	—	—	—	—	—	—	—	—	—	228
Refrig.	—	—	—	—	—	—	—	—	—	—	357
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	18.5	18.7	224	0.10	0.09	10.9	11.0	0.08	2.75	2.83	28,554
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.88	2.97	42.8	0.10	0.06	10.9	10.9	0.05	2.75	2.81	9,901
Area	10.5	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,700
Water	—	—	—	—	—	—	—	—	—	—	1,245
Waste	—	—	—	—	—	—	—	—	—	—	228
Refrig.	—	—	—	—	—	—	—	—	—	—	357
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	15.3	18.9	201	0.10	0.06	10.9	10.9	0.05	2.75	2.81	27,946
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.83	3.00	44.0	0.10	0.06	10.7	10.8	0.05	2.72	2.78	10,051
Area	12.6	0.11	13.0	< 0.005	0.02	—	0.02	0.02	—	0.02	53.5
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,345
Water	—	—	—	—	—	—	—	—	—	—	1,245
Waste	—	—	—	—	—	—	—	—	—	—	228
Refrig.	—	—	—	—	—	—	—	—	—	—	357
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	17.4	19.0	216	0.10	0.08	10.7	10.8	0.07	2.72	2.79	27,795
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.88	0.55	8.02	0.02	0.01	1.96	1.97	0.01	0.50	0.51	1,664
Area	2.30	0.02	2.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.86
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	2,044
Water	—	—	—	—	—	—	—	—	—	—	206
Waste	—	—	—	—	—	—	—	—	—	—	37.7

Refrig.	—	—	—	—	—	—	—	—	—	—	59.0
Off-Road	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582
Total	3.18	3.47	39.3	0.02	0.01	1.96	1.97	0.01	0.50	0.51	4,602

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	8,832
General Office Building	—	—	—	—	—	—	—	—	—	—	2,046
Parking Lot	—	—	—	—	—	—	—	—	—	—	221
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	368
undefined	—	—	—	—	—	—	—	—	—	—	1,234
Total	—	—	—	—	—	—	—	—	—	—	12,700
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	8,832
General Office Building	—	—	—	—	—	—	—	—	—	—	2,046
Parking Lot	—	—	—	—	—	—	—	—	—	—	221
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	368
undefined	—	—	—	—	—	—	—	—	—	—	1,234
Total	—	—	—	—	—	—	—	—	—	—	12,700
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,462
General Office Building	—	—	—	—	—	—	—	—	—	—	339
Parking Lot	—	—	—	—	—	—	—	—	—	—	36.5
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	60.9
undefined	—	—	—	—	—	—	—	—	—	—	145
Total	—	—	—	—	—	—	—	—	—	—	2,044

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	8,832
General Office Building	—	—	—	—	—	—	—	—	—	—	2,046
Parking Lot	—	—	—	—	—	—	—	—	—	—	221
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	368

undefined	—	—	—	—	—	—	—	—	—	—	1,234
Total	—	—	—	—	—	—	—	—	—	—	12,700
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	8,832
General Office Building	—	—	—	—	—	—	—	—	—	—	2,046
Parking Lot	—	—	—	—	—	—	—	—	—	—	221
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	368
undefined	—	—	—	—	—	—	—	—	—	—	1,234
Total	—	—	—	—	—	—	—	—	—	—	12,700
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,462
General Office Building	—	—	—	—	—	—	—	—	—	—	339
Parking Lot	—	—	—	—	—	—	—	—	—	—	36.5
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	60.9
undefined	—	—	—	—	—	—	—	—	—	—	145
Total	—	—	—	—	—	—	—	—	—	—	2,044

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

General Office Building	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
Refrigerated Warehouse-No Rail	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	9.33	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.12	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.11	0.16	18.9	< 0.005	0.03	—	0.03	0.03	—	0.03	78.1
Total	13.6	0.16	18.9	< 0.005	0.03	—	0.03	0.03	—	0.03	78.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	9.33	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.12	—	—	—	—	—	—	—	—	—	—
Total	10.5	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.70	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.20	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.39	0.02	2.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.86
Total	2.30	0.02	2.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.86

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	9.33	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	1.12	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.11	0.16	18.9	< 0.005	0.03	—	0.03	0.03	—	0.03	78.1
Total	13.6	0.16	18.9	< 0.005	0.03	—	0.03	0.03	—	0.03	78.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	9.33	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.12	—	—	—	—	—	—	—	—	—	—
Total	10.5	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.70	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.20	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.39	0.02	2.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.86
Total	2.30	0.02	2.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.86

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,291
General Office Building	—	—	—	—	—	—	—	—	—	—	228
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00

Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	37.1
Total	—	—	—	—	—	—	—	—	—	—	1,556
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,291
General Office Building	—	—	—	—	—	—	—	—	—	—	228
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	37.1
Total	—	—	—	—	—	—	—	—	—	—	1,556
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	214
General Office Building	—	—	—	—	—	—	—	—	—	—	37.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	6.15
Total	—	—	—	—	—	—	—	—	—	—	258

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,033
General Office Building	—	—	—	—	—	—	—	—	—	—	183

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	29.7
Total	—	—	—	—	—	—	—	—	—	—	1,245
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,033
General Office Building	—	—	—	—	—	—	—	—	—	—	183
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	29.7
Total	—	—	—	—	—	—	—	—	—	—	1,245
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	171
General Office Building	—	—	—	—	—	—	—	—	—	—	30.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	4.92
Total	—	—	—	—	—	—	—	—	—	—	206

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	808
General Office Building	—	—	—	—	—	—	—	—	—	—	140
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	17.7
Total	—	—	—	—	—	—	—	—	—	—	966
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	808
General Office Building	—	—	—	—	—	—	—	—	—	—	140
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	17.7
Total	—	—	—	—	—	—	—	—	—	—	966
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	134
General Office Building	—	—	—	—	—	—	—	—	—	—	23.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2.93
Total	—	—	—	—	—	—	—	—	—	—	160

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	191
General Office Building	—	—	—	—	—	—	—	—	—	—	33.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	4.18
Total	—	—	—	—	—	—	—	—	—	—	228
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	191
General Office Building	—	—	—	—	—	—	—	—	—	—	33.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	4.18
Total	—	—	—	—	—	—	—	—	—	—	228
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	31.6
General Office Building	—	—	—	—	—	—	—	—	—	—	5.48
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	0.69
Total	—	—	—	—	—	—	—	—	—	—	37.7

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.19
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	267
Industrial Park	—	—	—	—	—	—	—	—	—	—	89.9
Total	—	—	—	—	—	—	—	—	—	—	357
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.19
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	267
Industrial Park	—	—	—	—	—	—	—	—	—	—	89.9
Total	—	—	—	—	—	—	—	—	—	—	357
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.03
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	44.1
Industrial Park	—	—	—	—	—	—	—	—	—	—	14.9
Total	—	—	—	—	—	—	—	—	—	—	59.0

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.19
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	267
Industrial Park	—	—	—	—	—	—	—	—	—	—	89.9
Total	—	—	—	—	—	—	—	—	—	—	357
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.19
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	267
Industrial Park	—	—	—	—	—	—	—	—	—	—	89.9
Total	—	—	—	—	—	—	—	—	—	—	357
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.03
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	44.1
Industrial Park	—	—	—	—	—	—	—	—	—	—	14.9
Total	—	—	—	—	—	—	—	—	—	—	59.0

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Annual	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582
Total	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Annual	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582
Total	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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
Total all Land Uses	1,541	1,541	1,541	562,465	15,406	15,406	15,405	5,623,138

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	1,541	1,541	1,541	562,465	15,406	15,406	15,405	5,623,138

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

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	653,085	217,695	13,125

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	7,670,335	417	0.0489	0.0069	0.00
General Office Building	1,776,620	417	0.0489	0.0069	0.00
Parking Lot	191,632	417	0.0489	0.0069	0.00
Refrigerated Warehouse-No Rail	319,350	417	0.0489	0.0069	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	7,670,335	417	0.0489	0.0069	0.00
General Office Building	1,776,620	417	0.0489	0.0069	0.00
Parking Lot	191,632	417	0.0489	0.0069	0.00
Refrigerated Warehouse-No Rail	319,350	417	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	79,871,438	1,323,921
General Office Building	14,218,700	0.00
Parking Lot	0.00	0.00
Refrigerated Warehouse-No Rail	2,312,500	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Industrial Park	63,897,150	1,059,137
General Office Building	11,374,960	0.00
Parking Lot	0.00	0.00
Refrigerated Warehouse-No Rail	1,850,000	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	428	—
General Office Building	74.4	—
Parking Lot	0.00	—
Refrigerated Warehouse-No Rail	9.40	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	101	—
General Office Building	17.6	—
Parking Lot	0.00	—
Refrigerated Warehouse-No Rail	2.22	—

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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	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
Forklifts	CNG	Average	6.00	24.0	82.0	0.20
Forklifts	Electric	Average	10.0	24.0	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	CNG	Average	6.00	24.0	82.0	0.20
Forklifts	Electric	Average	10.0	24.0	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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	5.27	annual days of extreme heat
Extreme Precipitation	5.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	32.1
AQ-PM	77.0
AQ-DPM	95.6
Drinking Water	52.7
Lead Risk Housing	79.9
Pesticides	0.00
Toxic Releases	86.1
Traffic	78.1
Effect Indicators	—
CleanUp Sites	74.5
Groundwater	97.4
Haz Waste Facilities/Generators	99.3
Impaired Water Bodies	0.00
Solid Waste	22.1
Sensitive Population	—
Asthma	18.8
Cardio-vascular	44.1
Low Birth Weights	94.1

Socioeconomic Factor Indicators	—
Education	20.9
Housing	87.5
Linguistic	59.0
Poverty	63.5
Unemployment	56.2

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	56.49942256
Employed	89.43924034
Median HI	44.89926857
Education	—
Bachelor's or higher	60.5800077
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	56.16578981
Active commuting	65.67432311
Social	—
2-parent households	17.93917618
Voting	23.31579623
Neighborhood	—
Alcohol availability	28.60259207
Park access	2.194276915
Retail density	51.85422815

Supermarket access	2.399589375
Tree canopy	26.66495573
Housing	—
Homeownership	4.555370204
Housing habitability	27.4990376
Low-inc homeowner severe housing cost burden	41.01116387
Low-inc renter severe housing cost burden	49.15950212
Uncrowded housing	40.20274605
Health Outcomes	—
Insured adults	38.36776594
Arthritis	91.0
Asthma ER Admissions	59.4
High Blood Pressure	87.7
Cancer (excluding skin)	82.6
Asthma	27.9
Coronary Heart Disease	91.8
Chronic Obstructive Pulmonary Disease	74.0
Diagnosed Diabetes	72.3
Life Expectancy at Birth	41.8
Cognitively Disabled	66.4
Physically Disabled	60.6
Heart Attack ER Admissions	41.3
Mental Health Not Good	40.6
Chronic Kidney Disease	90.3
Obesity	37.5
Pedestrian Injuries	19.6
Physical Health Not Good	58.2
Stroke	75.8

Health Risk Behaviors	—
Binge Drinking	25.3
Current Smoker	38.5
No Leisure Time for Physical Activity	60.8
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	93.4
Elderly	92.9
English Speaking	68.8
Foreign-born	43.8
Outdoor Workers	85.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	6.8
Traffic Density	56.4
Traffic Access	87.4
Other Indices	—
Hardship	45.4
Other Decision Support	—
2016 Voting	13.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	40.0
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	Site Specific - See Construction Assumptions
Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions
Construction: On-Road Fugitive Dust	Site Specific - See Construction Assumptions
Characteristics: Utility Information	Forecasted for 2027 Based on 2023 LADWP POWER CONTENT LABEL and SB100 RPS
Construction: Electricity	2023 LADWP Power Content
Operations: Fleet Mix	Passenger Vehicles
Operations: Off-Road Equipment	Operational Equipment
Operations: Energy Use	Implementation of GHG-PDF-1

9000 Airport 1 Building Option-Operation (Trucks) Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	9000 Airport 1 Building Option-Operation (Trucks)
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Refrigerated Warehouse-No Rail	10.0	1000sqft	0.23	10,000	0.00	0.00	—	—

General Office Building	80.0	1000sqft	1.84	80,000	0.00	0.00	—	—
Parking Lot	558	Space	5.02	0.00	0.00	0.00	—	—
Industrial Park	345	1000sqft	7.93	345,390	0.00	94,400	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants

2. Emissions Summary

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.42	35.4	27.1	0.32	0.47	11.8	12.3	0.45	3.13	3.58	36,291
Area	0.00	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00
Total	1.42	35.4	27.1	0.32	0.47	11.8	12.3	0.45	3.13	3.58	36,291
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.36	36.9	25.3	0.32	0.47	11.8	12.3	0.45	3.13	3.58	36,066
Area	0.00	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00

Total	1.36	36.9	25.3	0.32	0.47	11.8	12.3	0.45	3.13	3.58	36,066
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.38	37.3	25.7	0.32	0.47	11.7	12.2	0.45	3.11	3.56	36,135
Area	0.00	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00
Total	1.38	37.3	25.7	0.32	0.47	11.7	12.2	0.45	3.11	3.56	36,135
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.25	6.81	4.69	0.06	0.09	2.14	2.22	0.08	0.57	0.65	5,983
Area	0.00	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00
Total	0.25	6.81	4.69	0.06	0.09	2.14	2.22	0.08	0.57	0.65	5,983

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

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

Total all Land Uses	585	585	585	213,160	13,908	13,908	13,908	5,076,420

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Site Specific - See Construction Assumptions
Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions
Construction: On-Road Fugitive Dust	Site Specific - See Construction Assumptions
Characteristics: Utility Information	Forecasted for 2027 Based on 2023 LADWP POWER CONTENT LABEL and SB100 RPS
Construction: Electricity	2023 LADWP Power Content
Operations: Fleet Mix	Truck Trips
Operations: Off-Road Equipment	Warehouse
Operations: Generators + Pumps EF	SCAQMD 1470 Requirements
Land Use	Parking includes 288 parking space plus 90 trailer spaces (assumed to be 3 spaces). Project could include up to 10,000 square feet of refrigerated storage.
Operations: Water and Waste Water	Mobile only
Operations: Solid Waste	Mobile Only
Operations: Refrigerants	Mobile only
Operations: Consumer Products	Mobile only
Operations: Architectural Coatings	Mobile Only
Operations: Landscape Equipment	Mobile only

9000 Airport 3 Buildings Option-Operation (Passenger Vehicles) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

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	9000 Airport 3 Buildings Option-Operation (Passenger Vehicles)
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Industrial Park	310	1000sqft	7.12	310,056	120,400	0.00	—	—
General Office Building	90.0	1000sqft	2.07	90,000	0.00	0.00	—	—

Parking Lot	639	Space	5.75	0.00	0.00	0.00	—	—
Refrigerated Warehouse-No Rail	10.0	1000sqft	0.23	10,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.0	18.1	212	0.08	0.08	7.87	7.95	0.06	2.00	2.06	25,984
Mit.	17.0	18.1	212	0.08	0.08	7.87	7.95	0.06	2.00	2.06	25,005
% Reduced	—	—	—	—	—	—	—	—	—	—	4%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.0	18.2	191	0.07	0.04	7.87	7.92	0.04	2.00	2.04	25,528
Mit.	14.0	18.2	191	0.07	0.04	7.87	7.92	0.04	2.00	2.04	24,548
% Reduced	—	—	—	—	—	—	—	—	—	—	4%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.0	18.3	204	0.07	0.07	7.78	7.85	0.06	1.97	2.03	25,332
Mit.	16.0	18.3	204	0.07	0.07	7.78	7.85	0.06	1.97	2.03	24,353

% Reduced	—	—	—	—	—	—	—	—	—	—	4%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.92	3.34	37.3	0.01	0.01	1.42	1.43	0.01	0.36	0.37	4,194
Mit.	2.92	3.34	37.3	0.01	0.01	1.42	1.43	0.01	0.36	0.37	4,032
% Reduced	—	—	—	—	—	—	—	—	—	—	4%

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.20	2.06	35.3	0.07	0.04	7.87	7.92	0.04	2.00	2.04	7,607
Area	12.8	0.15	17.8	< 0.005	0.03	—	0.03	0.02	—	0.02	73.6
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,084
Water	—	—	—	—	—	—	—	—	—	—	1,456
Waste	—	—	—	—	—	—	—	—	—	—	900
Refrig.	—	—	—	—	—	—	—	—	—	—	347
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	17.0	18.1	212	0.08	0.08	7.87	7.95	0.06	2.00	2.06	25,984
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.17	2.29	32.7	0.07	0.04	7.87	7.92	0.04	2.00	2.04	7,224
Area	9.86	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,084
Water	—	—	—	—	—	—	—	—	—	—	1,456
Waste	—	—	—	—	—	—	—	—	—	—	900
Refrig.	—	—	—	—	—	—	—	—	—	—	347
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	14.0	18.2	191	0.07	0.04	7.87	7.92	0.04	2.00	2.04	25,528

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.13	2.31	33.5	0.07	0.04	7.78	7.83	0.04	1.97	2.01	7,333
Area	11.9	0.10	12.2	< 0.005	0.02	—	0.02	0.02	—	0.02	50.4
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	11,729
Water	—	—	—	—	—	—	—	—	—	—	1,456
Waste	—	—	—	—	—	—	—	—	—	—	900
Refrig.	—	—	—	—	—	—	—	—	—	—	347
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	16.0	18.3	204	0.07	0.07	7.78	7.85	0.06	1.97	2.03	25,332
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.75	0.42	6.12	0.01	0.01	1.42	1.43	0.01	0.36	0.37	1,214
Area	2.16	0.02	2.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.35
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	1,942
Water	—	—	—	—	—	—	—	—	—	—	241
Waste	—	—	—	—	—	—	—	—	—	—	149
Refrig.	—	—	—	—	—	—	—	—	—	—	57.5
Off-Road	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582
Total	2.92	3.34	37.3	0.01	0.01	1.42	1.43	0.01	0.36	0.37	4,194

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.20	2.06	35.3	0.07	0.04	7.87	7.92	0.04	2.00	2.04	7,607
Area	12.8	0.15	17.8	< 0.005	0.03	—	0.03	0.02	—	0.02	73.6
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,084
Water	—	—	—	—	—	—	—	—	—	—	1,165

Waste	—	—	—	—	—	—	—	—	—	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	347
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	17.0	18.1	212	0.08	0.08	7.87	7.95	0.06	2.00	2.06	25,005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.17	2.29	32.7	0.07	0.04	7.87	7.92	0.04	2.00	2.04	7,224
Area	9.86	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	12,084
Water	—	—	—	—	—	—	—	—	—	—	1,165
Waste	—	—	—	—	—	—	—	—	—	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	347
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	14.0	18.2	191	0.07	0.04	7.87	7.92	0.04	2.00	2.04	24,548
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.13	2.31	33.5	0.07	0.04	7.78	7.83	0.04	1.97	2.01	7,333
Area	11.9	0.10	12.2	< 0.005	0.02	—	0.02	0.02	—	0.02	50.4
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	11,729
Water	—	—	—	—	—	—	—	—	—	—	1,165
Waste	—	—	—	—	—	—	—	—	—	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	347
Off-Road	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	16.0	18.3	204	0.07	0.07	7.78	7.85	0.06	1.97	2.03	24,353
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.75	0.42	6.12	0.01	0.01	1.42	1.43	0.01	0.36	0.37	1,214
Area	2.16	0.02	2.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.35
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	1,942
Water	—	—	—	—	—	—	—	—	—	—	193
Waste	—	—	—	—	—	—	—	—	—	—	35.2

Refrig.	—	—	—	—	—	—	—	—	—	—	57.5
Off-Road	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582
Total	2.92	3.34	37.3	0.01	0.01	1.42	1.43	0.01	0.36	0.37	4,032

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	7,928
General Office Building	—	—	—	—	—	—	—	—	—	—	2,301
Parking Lot	—	—	—	—	—	—	—	—	—	—	253
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	368
undefined	—	—	—	—	—	—	—	—	—	—	1,234
Total	—	—	—	—	—	—	—	—	—	—	12,084
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	7,928
General Office Building	—	—	—	—	—	—	—	—	—	—	2,301
Parking Lot	—	—	—	—	—	—	—	—	—	—	253
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	368
undefined	—	—	—	—	—	—	—	—	—	—	1,234
Total	—	—	—	—	—	—	—	—	—	—	12,084
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,313
General Office Building	—	—	—	—	—	—	—	—	—	—	381
Parking Lot	—	—	—	—	—	—	—	—	—	—	41.8
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	60.9
undefined	—	—	—	—	—	—	—	—	—	—	145
Total	—	—	—	—	—	—	—	—	—	—	1,942

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	7,928
General Office Building	—	—	—	—	—	—	—	—	—	—	2,301
Parking Lot	—	—	—	—	—	—	—	—	—	—	253
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	368

undefined	—	—	—	—	—	—	—	—	—	—	1,234
Total	—	—	—	—	—	—	—	—	—	—	12,084
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	7,928
General Office Building	—	—	—	—	—	—	—	—	—	—	2,301
Parking Lot	—	—	—	—	—	—	—	—	—	—	253
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	368
undefined	—	—	—	—	—	—	—	—	—	—	1,234
Total	—	—	—	—	—	—	—	—	—	—	12,084
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,313
General Office Building	—	—	—	—	—	—	—	—	—	—	381
Parking Lot	—	—	—	—	—	—	—	—	—	—	41.8
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	60.9
undefined	—	—	—	—	—	—	—	—	—	—	145
Total	—	—	—	—	—	—	—	—	—	—	1,942

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

General Office Building	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
Refrigerated Warehouse-No Rail	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	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
Refrigerated Warehouse-No Rail	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

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.79	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.06	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.93	0.15	17.8	< 0.005	0.03	—	0.03	0.02	—	0.02	73.6
Total	12.8	0.15	17.8	< 0.005	0.03	—	0.03	0.02	—	0.02	73.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.79	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.06	—	—	—	—	—	—	—	—	—	—
Total	9.86	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.61	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.37	0.02	2.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.35
Total	2.16	0.02	2.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.35

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.79	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	1.06	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.93	0.15	17.8	< 0.005	0.03	—	0.03	0.02	—	0.02	73.6
Total	12.8	0.15	17.8	< 0.005	0.03	—	0.03	0.02	—	0.02	73.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	8.79	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.06	—	—	—	—	—	—	—	—	—	—
Total	9.86	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.61	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.37	0.02	2.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.35
Total	2.16	0.02	2.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	8.35

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,162
General Office Building	—	—	—	—	—	—	—	—	—	—	257
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00

Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	37.1
Total	—	—	—	—	—	—	—	—	—	—	1,456
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	1,162
General Office Building	—	—	—	—	—	—	—	—	—	—	257
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	37.1
Total	—	—	—	—	—	—	—	—	—	—	1,456
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	192
General Office Building	—	—	—	—	—	—	—	—	—	—	42.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	6.15
Total	—	—	—	—	—	—	—	—	—	—	241

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	929
General Office Building	—	—	—	—	—	—	—	—	—	—	205

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	29.7
Total	—	—	—	—	—	—	—	—	—	—	1,165
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	929
General Office Building	—	—	—	—	—	—	—	—	—	—	205
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	29.7
Total	—	—	—	—	—	—	—	—	—	—	1,165
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	154
General Office Building	—	—	—	—	—	—	—	—	—	—	34.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	4.92
Total	—	—	—	—	—	—	—	—	—	—	193

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	725
General Office Building	—	—	—	—	—	—	—	—	—	—	158
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	17.7
Total	—	—	—	—	—	—	—	—	—	—	900
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	725
General Office Building	—	—	—	—	—	—	—	—	—	—	158
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	17.7
Total	—	—	—	—	—	—	—	—	—	—	900
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	120
General Office Building	—	—	—	—	—	—	—	—	—	—	26.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	2.93
Total	—	—	—	—	—	—	—	—	—	—	149

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	171
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	4.18
Total	—	—	—	—	—	—	—	—	—	—	213
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	171
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	4.18
Total	—	—	—	—	—	—	—	—	—	—	213
Annual	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	28.3
General Office Building	—	—	—	—	—	—	—	—	—	—	6.17
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	0.69
Total	—	—	—	—	—	—	—	—	—	—	35.2

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	267
Industrial Park	—	—	—	—	—	—	—	—	—	—	80.7
Total	—	—	—	—	—	—	—	—	—	—	347
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	267
Industrial Park	—	—	—	—	—	—	—	—	—	—	80.7
Total	—	—	—	—	—	—	—	—	—	—	347
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	44.1
Industrial Park	—	—	—	—	—	—	—	—	—	—	13.4
Total	—	—	—	—	—	—	—	—	—	—	57.5

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	267
Industrial Park	—	—	—	—	—	—	—	—	—	—	80.7
Total	—	—	—	—	—	—	—	—	—	—	347
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	267
Industrial Park	—	—	—	—	—	—	—	—	—	—	80.7
Total	—	—	—	—	—	—	—	—	—	—	347
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	44.1
Industrial Park	—	—	—	—	—	—	—	—	—	—	13.4
Total	—	—	—	—	—	—	—	—	—	—	57.5

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Annual	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582
Total	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Total	0.00	15.9	159	0.00	0.00	—	0.00	0.00	—	0.00	3,516
Annual	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582
Total	0.00	2.90	28.9	0.00	0.00	—	0.00	0.00	—	0.00	582

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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
Total all Land Uses	1,390	1,390	1,390	507,350	11,169	11,169	11,169	4,076,685

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	1,390	1,390	1,390	507,350	11,169	11,169	11,169	4,076,685

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

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	615,084	205,028	15,031

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	6,885,646	417	0.0489	0.0069	0.00
General Office Building	1,998,698	417	0.0489	0.0069	0.00
Parking Lot	219,450	417	0.0489	0.0069	0.00
Refrigerated Warehouse-No Rail	319,350	417	0.0489	0.0069	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	6,885,646	417	0.0489	0.0069	0.00
General Office Building	1,998,698	417	0.0489	0.0069	0.00
Parking Lot	219,450	417	0.0489	0.0069	0.00
Refrigerated Warehouse-No Rail	319,350	417	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	71,700,450	1,688,560
General Office Building	15,996,037	0.00
Parking Lot	0.00	0.00
Refrigerated Warehouse-No Rail	2,312,500	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Industrial Park	57,360,360	1,350,848
General Office Building	12,796,830	0.00
Parking Lot	0.00	0.00
Refrigerated Warehouse-No Rail	1,850,000	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	384	—
General Office Building	83.7	—
Parking Lot	0.00	—
Refrigerated Warehouse-No Rail	9.40	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	90.7	—
General Office Building	19.8	—
Parking Lot	0.00	—
Refrigerated Warehouse-No Rail	2.22	—

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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Refrigerated Warehouse-No Rail	Cold storage	R-404A	3,922	7.50	7.50	7.50	25.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	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
Forklifts	CNG	Average	6.00	24.0	82.0	0.20
Forklifts	Electric	Average	10.0	24.0	82.0	0.20

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	CNG	Average	6.00	24.0	82.0	0.20
Forklifts	Electric	Average	10.0	24.0	82.0	0.20

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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	5.27	annual days of extreme heat
Extreme Precipitation	5.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	32.1
AQ-PM	77.0
AQ-DPM	95.6
Drinking Water	52.7
Lead Risk Housing	79.9
Pesticides	0.00
Toxic Releases	86.1
Traffic	78.1
Effect Indicators	—
CleanUp Sites	74.5
Groundwater	97.4
Haz Waste Facilities/Generators	99.3
Impaired Water Bodies	0.00
Solid Waste	22.1
Sensitive Population	—
Asthma	18.8
Cardio-vascular	44.1
Low Birth Weights	94.1

Socioeconomic Factor Indicators	—
Education	20.9
Housing	87.5
Linguistic	59.0
Poverty	63.5
Unemployment	56.2

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	56.49942256
Employed	89.43924034
Median HI	44.89926857
Education	—
Bachelor's or higher	60.5800077
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	56.16578981
Active commuting	65.67432311
Social	—
2-parent households	17.93917618
Voting	23.31579623
Neighborhood	—
Alcohol availability	28.60259207
Park access	2.194276915
Retail density	51.85422815

Supermarket access	2.399589375
Tree canopy	26.66495573
Housing	—
Homeownership	4.555370204
Housing habitability	27.4990376
Low-inc homeowner severe housing cost burden	41.01116387
Low-inc renter severe housing cost burden	49.15950212
Uncrowded housing	40.20274605
Health Outcomes	—
Insured adults	38.36776594
Arthritis	91.0
Asthma ER Admissions	59.4
High Blood Pressure	87.7
Cancer (excluding skin)	82.6
Asthma	27.9
Coronary Heart Disease	91.8
Chronic Obstructive Pulmonary Disease	74.0
Diagnosed Diabetes	72.3
Life Expectancy at Birth	41.8
Cognitively Disabled	66.4
Physically Disabled	60.6
Heart Attack ER Admissions	41.3
Mental Health Not Good	40.6
Chronic Kidney Disease	90.3
Obesity	37.5
Pedestrian Injuries	19.6
Physical Health Not Good	58.2
Stroke	75.8

Health Risk Behaviors	—
Binge Drinking	25.3
Current Smoker	38.5
No Leisure Time for Physical Activity	60.8
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	93.4
Elderly	92.9
English Speaking	68.8
Foreign-born	43.8
Outdoor Workers	85.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	6.8
Traffic Density	56.4
Traffic Access	87.4
Other Indices	—
Hardship	45.4
Other Decision Support	—
2016 Voting	13.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	40.0
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	Site Specific - See Construction Assumptions
Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions
Construction: On-Road Fugitive Dust	Site Specific - See Construction Assumptions
Characteristics: Utility Information	Forecasted for 2027 Based on 2023 LADWP POWER CONTENT LABEL and SB100 RPS
Construction: Electricity	2023 LADWP Power Content
Operations: Fleet Mix	Passenger Vehicles
Operations: Off-Road Equipment	Operational Equipment
Operations: Energy Use	Compliance with City Ordinance 187,714.

9000 Airport 3 Buildings Option-Operation (Trucks) Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	9000 Airport 3 Buildings Option-Operation (Trucks)
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	17.6
Location	33.95393780239358, -118.38481416902904
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4541
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
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
Refrigerated Warehouse-No Rail	10.0	1000sqft	0.23	10,000	0.00	0.00	—	—

General Office Building	90.0	1000sqft	2.07	90,000	0.00	0.00	—	—
Parking Lot	639	Space	5.75	0.00	0.00	0.00	—	—
Industrial Park	310	1000sqft	7.12	310,056	0.00	120,400	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-9	Use Dust Suppressants

2. Emissions Summary

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.28	32.0	24.4	0.29	0.42	10.7	11.1	0.41	2.83	3.23	32,740
Area	0.00	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00
Total	1.28	32.0	24.4	0.29	0.42	10.7	11.1	0.41	2.83	3.23	32,740
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.23	33.3	22.8	0.28	0.42	10.7	11.1	0.41	2.83	3.23	32,537
Area	0.00	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00

Total	1.23	33.3	22.8	0.28	0.42	10.7	11.1	0.41	2.83	3.23	32,537
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.24	33.7	23.2	0.29	0.42	10.6	11.0	0.41	2.80	3.21	32,599
Area	0.00	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00
Total	1.24	33.7	23.2	0.29	0.42	10.6	11.0	0.41	2.80	3.21	32,599
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.23	6.14	4.24	0.05	0.08	1.93	2.00	0.07	0.51	0.59	5,397
Area	0.00	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Water	—	—	—	—	—	—	—	—	—	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	0.00
Total	0.23	6.14	4.24	0.05	0.08	1.93	2.00	0.07	0.51	0.59	5,397

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

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

Total all Land Uses	527	527	527	192,355	12,547	12,547	12,547	4,579,655

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Site Specific - See Construction Assumptions
Construction: Off-Road Equipment	Site Specific - See Construction Assumptions Note: CalEEMod default for crushing/processing equipment was a small gas piece of equipment. A bulldozer was used instead based on anticipated horsepower.
Construction: Trips and VMT	Site Specific - See Construction Assumptions
Construction: On-Road Fugitive Dust	Site Specific - See Construction Assumptions
Characteristics: Utility Information	Forecasted for 2027 Based on 2023 LADWP POWER CONTENT LABEL and SB100 RPS
Construction: Electricity	2023 LADWP Power Content
Operations: Fleet Mix	Truck Trips
Operations: Off-Road Equipment	Warehouse
Operations: Generators + Pumps EF	SCAQMD 1470 Requirements
Land Use	Parking includes 288 parking space plus 90 trailer spaces (assumed to be 3 spaces). Project could include up to 10,000 square feet of refrigerated storage.
Operations: Water and Waste Water	Mobile only
Operations: Solid Waste	Mobile Only
Operations: Refrigerants	Mobile only
Operations: Consumer Products	Mobile only
Operations: Architectural Coatings	Mobile Only
Operations: Landscape Equipment	Mobile only

Appendix C.2

Health Risk Assessment

HEALTH RISK ASSESSMENT

9000 Airport Boulevard Project

Prepared by:

Eyestone Environmental, LLC

September 2025

TABLE OF CONTENTS

Page

1.0 EXECUTIVE SUMMARY 1
1.1 Findings 1

2.0 INTRODUCTION 2

3.0 HEALTH RISK ASSESSMENT 3
3.1 Project Description 3
3.2 The Assessment Process 3
3.3 Source Identification and Characterization 3
3.4 Exposure Quantification 5
3.5 Risk Characterization 6
3.6 Significance Thresholds 12
3.7 Conclusions 13

4.0 UNCERTAINTY ASSESSMENT 15

APPENDICES

Appendix A: Emission Calculations

Appendix B: HARP Summary Output Files

Appendix C: AERMOD Source-Receptor Configuration Figure and Output File

LIST OF TABLES

Page

Table 1 Exposure Parameters 8

Table 2 Exposure Parameters by Age Group 9

Table 3 Health Risk and Health Hazard Significance Thresholds 13

Table 4 Health Risk Assessment (Operational Emissions) 14

1.0 Executive Summary

1.1 Findings

This report provides an analysis of potential health risk impacts related to the proposed operation of the 9000 Airport (Project) in the City of Los Angeles, California. The analysis evaluates emissions of toxic air contaminants (TACs) from Project operations including diesel exhaust/diesel particulate matter (DPM) truck operations, onsite equipment, and an emergency. The incremental change in health risk conservatively does not account for the removal of some existing sources of TACs. The findings of the analysis are as follows:

- For carcinogenic exposures (operational emissions), the increase in risk is calculated to be 5.6 in one million and 8.3 in one million for residential uses under Option 1 and 2 respectively, which is less than the applicable threshold of 10 in one million for sensitive receptors in close proximity to the Project Site, resulting in a less than significant impact.

- For chronic non-carcinogenic exposures (operational emissions), the increase in the respiratory hazard index was estimated to be less than the applicable threshold of 1.0 for either chronic or acute effects at sensitive receptors in close proximity to the Project Site, resulting in a less than significant impact.

2.0 Introduction

The 9000 Airport Boulevard Project (Project) would develop an industrial center with up to 435,390 square feet of industrial uses on an approximately 18-acre site. The Project includes two options: Option 1 would develop one building comprised of up to 435,390 square feet of floor area. Option 2 would develop three buildings comprised of up to 410,056 square feet of floor area. A total of 37,860 square feet of existing commercial/industrial floor area uses and associated surface parking areas would be demolished.

The California Air Pollution Control Officers Association (CAPCOA) Guidance Document for Health Risk Assessments for Proposed Land Use Projects (2009) (CAPCOA HRA Guidance) provides lead agencies with guidance regarding when and how an HRA should be prepared. It bases the risk assessment methodology on the procedures developed by the California Office of Environmental Health Hazard Assessment (OEHHA) to meet the mandates of the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588). The CAPCOA HRA Guidance states that

> *There are basically two types of land use projects that have the potential to cause long-term public health risk impacts: Type A—land use projects with toxic emissions that impact receptors; and Type B land use projects that will place receptors in the vicinity of existing toxic sources. Type A project examples are combustion related power plants, gasoline dispensing facilities, asphalt batch plants, warehouse distribution centers, quarry operations, and other stationary sources that emit toxic substances. Type B project examples are project that place receptors near stationary sources, high traffic roads, freeways, rail yards, and ports.*

The Project consisting of industrial/warehousing uses would quality for a Type A project and an HRA was prepared to evaluate impacts to nearby sensitive receptors. This HRA demonstrates that the Project would not have a significant air quality impact from TAC emissions.

3.0 Health Risk Assessment

3.1 The Assessment Process

The risk assessment process provided in OEHHA's 2015 Guidance Manual consists of four basic steps: (1) hazard identification; (2) exposure assessment; (3) dose-response assessment; and (4) risk characterization.[1] In the first step, hazard identification involves determining the potential health effect which may be associated with emitted pollutants. The purpose is to identify qualitatively whether a pollutant is a potential human carcinogen or is associated with other types of adverse health effects. Depending on the chemical, these health effects may include short-term ailments or chronic diseases. The dose-response assessment is designed to characterize the relationship between the amount or dose of a chemical and its toxicological effect on the human body. Responses to toxic chemicals will vary depending on the amount and length of exposure. For example, short-term exposure to low concentrations of chemicals may produce no noticeable effect, but continued exposure to the same levels of chemicals over a long period of time may eventually cause harm. The purpose of the exposure assessment is to estimate the extent of exposure to each substance for which risk will be evaluated. This involves emission quantification, modeling of environmental transport, identification of chemicals of concern, identification of exposure routes, identification of exposed populations, and estimation of long-term exposure levels. Risk characterization is an integration of the health effects and public exposure information developed for emitted pollutants to provide a quantitative probability of adverse health effects.

3.2 Source Identification and Characterization

3.2.1 Source Identification

As indicated above, the primary source of potential air toxics associated with the Project is DPM from trucks and heavy-duty equipment used during operations. SCAQMD recommends that an HRA be conducted for substantial sources of long-term DPM operational sources (e.g., truck stops and warehouse distribution facilities) and has

[1] *Office of Environmental Health Hazard Assessment, The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, February 2015, Page 2-1.*

provided guidance for analyzing mobile source diesel emissions.[2] SCAQMD Guidance was used for purposes of modeling parameters and assumptions.

3.2.2 Source Characterization

Operation

As discussed above, Option 1 would develop one building comprised of up to 435,390 square feet of floor area. Option 2 would develop three buildings comprised of up to 410,056 square feet of floor area.

Accordingly, the Project is conservatively estimated to generate approximately 585 and 527 trucks per day for Option 1 and Option 2 options, respectively.[3] The Project would also include up to 10,000 square feet of refrigerated warehousing space. Trucks equipped with transportation refrigeration units (TRUs) were calculated based on SCAQMD High-Cube Warehouse Vehicle Trip Generation Analysis which assumes a rate of 0.858 trips per thousand square feet of cold storage.

All heavy-duty trucks (semis) were assumed to be diesel powered. Medium-heavy and medium-duty truck emissions calculations were based on EMFAC2021 vehicle registration data (population) and VMT within Los Angeles County for diesel and gasoline vehicles. The analysis included on-site travel and idle time of 15 minutes per vehicle for medium- and heavy-duty trucks.[4] Emission factors also take into account the future buildout year (2027). As discussed above, truck trips and distribution at Project buildout were based on traffic modeling performed by Gibson Transportation.[5]

Emissions from TRUs were estimated using the CARB Draft 2019 Emissions Inventory for Transportation Refrigeration Units.[6] Emissions from delivery trucks travelling to and from the Project Site as well as idling were estimated using the CARB EMFAC2021

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[2] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions, August 2003.*

[3] *Truck Trip Estimates for 9000 Airport Boulevard. Los Angeles, California. Gibson Transportation Consulting. January 28, 2025.*

[4] *It is assumed that trucks would be idling no more than five (5) minutes at a time. Five minutes each at the entrance gate, loading dock and exit gate for a total of 15 minutes.*

[5] *Ibid.*

[6] *California Air Resources Board. Draft 2019 Update to Emissions Inventory for Transportation Refrigeration Units. October 2019.*

model.[7] Trucks travelling to/from the loading docks generate emissions through truck engine idling, TRU operation and travelling.

The Project would include support equipment such as yard trucks and forklifts to move containers or cargo on-site. Although such support equipment would be expected to be powered by electricity, it was conservatively assumed that forklifts would be powered by propane and yard trucks would be diesel powered. Emission factors for yard trucks and forklifts were based on CARB OFFROAD emission factors while horsepower rating, load factor, and time of use was based off of CalEEMod default values.

The Project would include one emergency generator per building. Option 1 would have one generator while Option 2 would have three generators. Emissions were based on a 500-horsepower diesel generator with EPA Tier 4 emissions compliant controls. Since the new generators have the potential to be located within 50 meters (approximately 170 feet) of residential uses, the Project would be required to comply with the new requirements of SCAQMD Rule 1470.[8] DPM emissions were calculated consistent with the emission factors in Table 1 of SCAQMD Rule 1470. The emergency generators would likely be permitted for 200 hours per year consistent with SCAQMD Rule 1470. Although the generators would typically be run one hour per month for testing (12 hours per year), it was conservatively assumed that generators would run for 200 hours per year.

3.3 Exposure Quantification

Consistent with SCAQMD's Localized Significance Threshold Methodology (LST Guidelines), this HRA used USEPA's Regulatory Model AERMOD to assess the downwind extent of DPM concentrations from proposed operational activities.[9] AERMOD accounts for a variety of refined, site-specific conditions that facilitate an accurate assessment of Project impacts. AERMOD's air dispersion algorithms are based upon a planetary boundary layer turbulence structure and scaling concepts, including the treatment of surface and elevated sources in simple and complex terrain.

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[7] *Airborne Toxic Control Measure is set forth in title 13, CCR, section 2485 and requires that drivers of diesel-fueled commercial motor vehicles with gross vehicle weight ratings greater than 10,000 pound not idle the vehicle's primary diesel engine longer than five minutes at any location. 5-minute idle time applies to all heavy-duty truck, including operational trucks.*

[8] *A Project Design Feature will be included as a Correction and Addition in the Final EIR requiring new generators to meet the new emission standards included in Table 1 of SCAQMD Rule 1470.*

[9] *SCAQMD, Final-Localized Significance Threshold Methodology, 2008.*

Exhaust emissions from operations were treated as a set of side-by-side elevated volume sources. The release height was assumed to be 12 feet for exhaust sources. This represents the mid-range of the expected plume rise from frequently used operational heavy-duty trucks during daytime atmospheric conditions. Operational exhaust emissions were assumed to take place 7-days per week between 24-hours per day. Operational sources were treated as elevated volume sources for truck trips and point sources for emergency generator stacks, truck idling and transportation refrigeration unit (TRU) emissions.

Air dispersion models require additional input parameters including local meteorology and receptors. Due to the sensitivity to individual meteorological parameters such as wind speed and direction, the USEPA recommends that meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. In response to this recommendation, meteorological data from the SCAQMD Los Angeles International Airport monitoring station (Source Receptor Area 3) were used to represent local weather conditions and prevailing winds.

Cartesian receptor grids were used to represent nearby sensitive land uses. The Cartesian receptor grids were placed at each sensitive use with a built-in 25 meter spacing for the nearby residential uses. All receptors were placed at ground level, which is recommended by SCAQMD for AERMOD modeling. Elevations for both sources and receptors were provided by the U.S. Geological Survey (USGS) and included using the AERMOD terrain processor AERMAP.

DPM modeled concentrations were used to calculate cancer risk and chronic hazard index at each relevant receptor. A graphical representation of the source-receptor grid network is presented in Appendix C.

3.4 Risk Characterization

3.4.1 Carcinogenic Chemical Risk

To estimate cancer risks, TAC exposure via inhalation for each receptor was estimated. In February 2015, OEHHA released the Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Exposure equations and parameter values presented in this protocol are derived from that guidance, unless otherwise noted. The guidance recommends the use of a software program, Hot Spots Analysis and Reporting Program Version 2 (HARP2) developed by CARB, for calculating and presenting HRA results for the Hot Spots Program.

The HARP2 equations recommend that the concentration of the chemicals in the air be used as the exposure metric resulting in the following formula for an exposure concentration:

$$EC = CA \times (BR/BW) \times A \times EF \times 10^{-6}$$

Where: EC = exposure concentration (mg/kg/d)

CA = chemical concentration in air ($\mu g/m^3$)

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

A = inhalation absorption factor (unitless)

EF = exposure frequency (unitless), days/365 days

10^{-6} = micrograms to milligrams conversion, liters to cubic meters conversion

The assessment of potential human health impacts due to the release of carcinogenic TACs associated with the Project assumes that receptors are exposed to concentrations of TACs over a 30-year period for off-site residential receptors consistent with SCAQMD Risk Assessment Guidelines for Rule 1401.[10]

Exposure parameters used to calculate the risks and hazards for receptors under the inhalation pathway are summarized in Table 1 on page 8. Exposure parameters are based on OEHHA Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments,[11] and USEPA Exposure Factors Handbook,[12] as well as other pertinent guidance.

In addition to the exposure parameters presented in Table 1, some of the exposure parameters vary according to age groups to address the methodology detailed in the

[10] *South Coast Air Quality Management District, Risk Assessment Procedures for Rules 1401, 1401.1, and 212. Version 8.1. September 1, 2017.*

[11] *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

[12] *U.S. Environmental Protection Agency, Exposure Factors Handbook, EPA/600/R-09/052F, September 2011.*

OEHHA Air Toxics Hot Spots Program Guidance.[13] These exposure parameters are presented in Table 2 on page 9.

Table 1
Exposure Parameters

Exposure Pathway Parameters for Inhalation of Particulates and Gases	Off-Site Receptors
Exposure Frequency (Fraction of Year) (unitless)	0.96 (350 days/365 days)[a]
Exposure Duration (years)	30, 70[a,b,d,e]
Exposure Time (hrs/day)	24[c]
Absorption Fraction	1[a]
Fraction of Time at Home	0.73[a]
Averaging Time—Non-Cancer (days)	10,950, 25,550[a]
Averaging Time—Cancer (days)	25,550[a]

[a] *California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

[b] *A 30-year exposure duration will be used as the basis for determining significance to the MEI resident. The 70-year exposure duration will be used to assess cancer burden consistent with SCAQMD Rule 1401 Guidelines.*

[c] *U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), USEPA/540/1-89/002, 1989. During Project operational activities, emissions would occur 24 hours per day. Certain operational activities, such as emergency generator testing, may operate at any time during a 24-hour day. Averaging times are based on SCAQMD Rule 1401 Guidelines. 25,550 days = 70-years. 10,950 days = 30-years.*

[d] *Evaluation of 30-year cancer risk will begin with exposure during the third trimester and will sum individual age group risks from that point forward.*

[e] *A 30-year residential cancer risks will be calculated at residential locations.*

Source: Eyestone Environmental, LLC, 2025.

3.4.1.1 Age Sensitivity Factor and Mutagenic Mode of Action

OEHHA's 2015 Guidance Manual provides ASFs to account for potential increased sensitivity of early-in-life exposure to carcinogens. For risk assessments conducted under the auspices of AB 2588, an ASF weighting factor is applied to all carcinogens regardless of purported mechanism of carcinogenic action (i.e., potential to cause DNA damage). In

[13] *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

comments presented to the SCAQMD Governing Board (June 5, 2015, meeting, Agenda No. 28) relating to TAC exposures under Rules 1401 (New Source Review of Toxic Air Contaminants) and use of the 2015 OEHHA guidelines and their applicability for projects subject to CEQA as they relate to the incorporation of early-life exposure adjustments, it was reported that:

Table 2
Exposure Parameters by Age Group

Exposure Pathway Parameters for Inhalation of Particulates and Gases	Age Group					
	3rd Trimester	0 < 2 Years	2 < 9 Years	2 < 16 Years	16 < 30 Years	16 < 70 Years
Residential Daily Breathing Rate (L/kg-d)	361	1,090	861	745	335	290
Age-adjustment Sensitivity Factor (unitless)	10	10	3	3	1	1
Fraction of Averaging Time (unitless)	0.25/70 = 0.0036	2/70 = 0.0286	7/70 = 0.1	14/70 = 0.2	14/70 = 0.2	54/70 = 0.7714

N/A = not applicable

Source: Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.

> *The Proposed Amended Rules are separate from the CEQA significance thresholds. The Response to Comments Staff Report PAR 1401, 1401.1, 1402, and 212 A—8 June 2015 SCAQMD staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board.*

With regard to ASFs, the SCAQMD, as a commenting agency, has not conducted public workshops or developed policy relating to the applicability of applying the 2015 OEHHA guidance for projects subject to CEQA. To emphasize variability in the methodology for conducting HRAs, regulatory agencies throughout the State of California, including DTSC, have adopted USEPA's policy in the application of early-life exposure adjustments. Specifically, USEPA guidance relating to the use of early life exposure

adjustments[14] are considered when carcinogens act "through the mutagenic mode of action." As reported:

> *The Agency considered both the advantages and disadvantages of extending the recommended, age dependent adjustment factors for carcinogenic potency to carcinogenic agents for which the mode of action remains unknown. EPA recommends these factors only for carcinogens acting through a mutagenic mode of action based on a combination of analysis of available data and long-standing science policy positions that set out the Agency's overall approach to carcinogen risk assessment, e.g., the use of a linear, no threshold extrapolation procedure in the absence of data in order to be health protective. In general, the Agency prefers to rely on analyses of data rather than on general defaults. When data are available for a susceptible lifestage, they should be used directly to evaluate risks for that chemical and that lifestage on a case-by-case basis. In the case of nonmutagenic carcinogens, when the mode of action is unknown, the data were judged by EPA to be too limited and the modes of action too diverse to use this as a category for which a general default adjustment factor approach can be applied. In this situation per the Agency's Guidelines for Carcinogen Risk Assessment, a linear low-dose extrapolation methodology is recommended. It is the Agency's long-standing science policy position that use of the linear low-dose extrapolation approach (without further adjustment) provides adequate public health conservatism in the absence of chemical-specific data indicating differential early-life susceptibility or when the mode of action is not mutagenicity.*

In 2006, the USEPA published a memorandum, which provides guidance regarding the preparation of HRAs that include carcinogens identified as having a mutagenic mode of action.[15] As presented in the technical memorandum, numerous compounds were identified as having a mutagenic mode of action. For diesel particulates, polycyclic aromatic hydrocarbons (PAHs) and their derivatives, which are known to exhibit a mutagenic mode of action, comprise less than one percent of the exhaust particulate mass.

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[14] *U.S. Environmental Protection Agency, Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F, 2005.*

[15] *U.S. Environmental Protection Agency, Memorandum—Implementation of the Cancer Guidelines and Accompanying Supplemental Guidance—Science Policy Council Cancer Guidelines Implementation Workgroup Communication II: Performing Risk Assessments that include Carcinogens Described in the Supplemental Guidance as having a Mutagenic Mode of Action, 2006.*

To date, the USEPA reports that whole diesel engine exhaust has not been shown to elicit a mutagenic mode of action.[16]

Based on a review of relevant guidance on the applicability of the use of early life exposure adjustments to identified carcinogens, the use of ASFs would be questionable as neither the Lead Agency nor SCAQMD has developed recommendations on whether ASFs should be used for CEQA analyses of potential DPM impacts. In addition, early life exposure factors may not be appropriate based on USEPA guidance relating to the use of early life exposure adjustment factors (Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F) whereby adjustment factors are only considered when carcinogens act "through the mutagenic mode of action."

Although there is some uncertainty in the mutagenic mode of action on early life exposure as discussed above, this HRA conservatively takes ASFs into account in the evaluation.

3.4.2 Non-Carcinogenic Chemical Risk

The potential for chronic non-carcinogenic health effects is evaluated by calculating the total hazard index (HI) for the Project operational DPM emissions. This HI represents the sum of the hazard quotients (HQs) developed for each individual project-related chemical, where a HQ is the ratio of the representative air concentration of the chemical to the chemical specific non-cancer Reference Exposure Level (REL). The non-cancer RELs represent the daily average exposure concentration at (or below) which no adverse health effects are anticipated.

The equations used to calculate the chemical-specific HQs and HIs are:

$HQ_i = C_i/REL_i$
$HI = \Sigma HQi$

Where:

HQ_i = Hazard Quotient for chemical$_i$
C_i = Average Daily Air Concentration for chemical$_i$ ($\mu g/m^3$)
REL_i = Noncancer Reference Exposure Level for chemical$_i$ ($\mu g/m^3$)
HI = Hazard Index

[16] *U.S. Environmental Protection Agency, National Center for Environmental Assessment, 2018. Integrated Risk Information System (IRIS). Diesel Engine Exhaust.*

SCAQMD recommends that the non-carcinogenic hazards of toxic air contaminants should not exceed a hazard index of 1.0 for either chronic or acute effects.[17] Acute effects are due to short-term exposure, while chronic effects are due to long-term exposure to a substance. For chronic and acute risks, the hazard index is calculated as the summation of the hazard quotients for all chemicals to which an individual would be exposed. The acute hazard index was not quantified since an inhalation REL has not been determined by the OEHHA for DPM at the time of preparation of this HRA or the Draft EIR.

3.4.3 Methodology for Evaluating Population-Wide Risks

Population-based health impact will only be evaluated if the Project MEI cancer risks exceed the SCAQMD cancer risk threshold. The purpose of this type of assessment is to provide perspective on the magnitude of the potential public health threat posed by emissions of a project. Population-wide risk assumes that a population (not necessarily the same individuals) will live within the study area over a 70-year lifetime period.

To evaluate the cancer risk over the exposed population, the cancer burden method was used to assess the number of excess cancer cases that could occur in the study area. The cancer burden was calculated by multiplying the maximum cancer risk calculated for a 70-year resident at a grid point by the number of people who live in the census block associated with that grid point. Census block data was obtained from the HARP 2010 Census Database. The sum of these estimates represents the cancer burden across each zone of impact (10^{-6}, 10^{-5}, etc.) for the study area. If a single census block contains more than one modeled grid point, the average of the calculated risks for the grid points within the census block was used for the calculation.

3.5 Significance Thresholds

The SCAQMD has developed health risk and hazard significance thresholds for CEQA impact analyses. These thresholds are provided in Table 3 on page 13. Note that these thresholds have been developed for Project incremental impacts. Project incremental impacts for comparison to the significance thresholds were determined by using the Project incremental operational emissions to calculate the Project's health risk impacts. The Project's operational TAC concentrations were combined in determining the total health risk impacts at each receptor.

[17] *SCAQMD, Air Quality Significance Thresholds, www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25, accessed February 20, 2025.*

Table 3
Health Risk and Health Hazard Significance Thresholds

Health Risk or Hazard	Project Incremental Significance Threshold
Cancer Risk (MEI Resident or MEI Worker)	Maximum Incremental Cancer Risk ≥ 10 in one million
Cancer Burden for Exposed Population	> 0.5 excess cancer cases (in areas ≥ one in one million cancer risk)
Chronic Non-Cancer Hazards	Chronic Hazard Index ≥ 1.0

Source: South Coast Air Quality Management District, South Coast AQMD Air Quality Significance Thresholds, March 2023.

3.6 Conclusions

The results from the health risk calculations provide an estimate of the potential risks and hazards to individuals through inhalation of Project DPM emissions over a 30-year exposure duration. The estimated risks and hazards include: lifetime excess cancer risk estimates, and cumulative chronic HI estimates for the receptor locations of concern.

As shown in Appendix B and in Table 4 on page 14, the results of the HRA yields a maximum off-site individual cancer risk of 5.6 in a million for Option 1 and 8.3 in a million for Option 2. Maximum impacts occur at residential uses located east of the Project Site (for operational emissions). The maximum chronic risk of 0.001 under Option 1 and 0.002 under Option 2 occurs within this same residential receptor area. As the Project (operational emissions) would not emit carcinogenic or toxic air contaminants that result in impacts which exceed the maximum individual cancer risk of ten in one million or the chronic index of 1.0, Project-related toxic emission impacts would be less than significant.

Table 4
Health Risk Assessment (Operational Emissions)

Risk	Significance Threshold	Calculated Risk	Significant Impact
Cancer Risk (Resident)	10 in 1 Million	Option 1—5.6E-06 which denotes excess cases of cancer of 5.6 in one million Option 2—8.3E-06 which denotes excess cases of cancer of 8.3 in one million	No
Non-Carcinogenic Risk (Maximum)	Chronic Index (HI) of 1.0	Option 1—1.3E-03 which denotes an HI of 0.001 Option 2—1.9E-03 which denotes an HI of 0.002	No

As the maximum off-site cancer risk impact is greater than one in one million, a cancer burden analysis was performed to determine the increase in cancer cases in a population. Census tract data obtained from the HARP 2010 census database. Based on a population of 2,533 under Option 1, cancer burden would be 0.02 which is less than the 0.5 case threshold. Under Option 2, cancer burden would be 0.03 which is less than the 0.5 case threshold.

4.0 Uncertainty Assessment

Evaluating carcinogenic pollutant concentrations based on OEHHA methodology and SCAQMD Guidance has an implied uncertainty. These methodologies were developed to provide a conservative health risk estimate. The conservative nature of this methodology relies on a number of inputs designed to prevent an underestimation of risk. The following discusses the conservative nature of the risk assessment analysis assumptions utilized in this analysis.

The cancer risk from DPM occurs mainly through inhalation. Output from the dispersion analysis was used to estimate the DPM concentrations. The cancer risk estimate is then calculated based on those estimated DPM concentrations using the risk methodology promulgated by OEHHA. The risk assessment guidelines established by SCAQMD and included in the analysis are designed to produce conservative (high) estimates of the risk posed by DPM, due to the following factors:

- As a conservative measure, SCAQMD does not recognize indoor adjustments for residential uses. However, studies have shown that the typical person spends approximately 87 percent of their time indoors, 5 percent of their time outdoors, and 7 percent of their time in vehicles. A DPM exposure assessment showed that an average indoor concentration was 2.0 µg/m^3, compared with an outdoor concentration of 3.0 µg/m^3.[18]

- OEHHA has a toxicity database that lists TACs and their URFs. A URF describes the cancer potency of a particular TAC and is used to estimate cancer risk. Most of these URFs are extrapolated from animal studies based on continuous exposure to particular toxin. This method can have some significant uncertainties. For example, a chemical that is carcinogenic by one route of exposure is considered to be carcinogenic for all routes of exposure at its maximum potency. Also, it is not realistic for a receptor to be exposed to a continuous concentration of TACs over time. In reality, receptors are exposed to constantly changing concentration levels that would expose receptors to lower levels of TACs over time than analyzed in this analysis.

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[18] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions, 2002.*

- The use of the SCAQMD meteorological data set and conservative exposure assumptions (e.g., assumes receptor would be located outside in the same location 24 hours per day for the entire operational duration) amongst others, likely also lead to overestimated risks.

As such, uncertainty in the health risk analysis is conservative in nature and is designed to prevent undisclosed impacts to human health. Concentrations reported in this report represent a conservative scenario that is likely an over estimation of actual pollutant concentrations.

Appendix A

Emissions Calculations

9000 Airport - Operational Health Risk Assessment

Onsite Equpment Emissions

Operational Schedule

Days per Year	365

Onsite Equipment - Operations

Equpment	Fuel	Number	Hours per Day
Yard Trucks	Diesel	2	4

Emission Factors[1]

Equpment	PM10 (lbs/hr)	VOC (lbs/hr)	NOx (lbs/hr)
Yard Trucks	0.00188	0.013	0.097

Emissions

Equpment	PM10 (lbs/year)	VOC (lbs/year)	NOx (lbs/day)
Yard Trucks	5.5	37.8	0.8
Total	**5.5**	**37.8**	**0.8**

Criteria Pollutant Emissions Calculations

Emission Factors[1]

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	ROG (lbs/hr)	TOG (lbs/hr)	CO (lbs/hr)	NOx (lbs/hr)	CO2 (lbs/hr)	PM10 (lbs/hr)	PM2.5 (lbs/hr)	SOX (lbs/hr)
South Coast	2027	Cargo Handling Equipment - Port Yard Truck	Aggregate	300	Diesel	1.29E-02	2.48E-02	7.49E-02	9.70E-02	3.91E+01	1.88E-03	1.75E-03	2.96E-04
Hours per Day	8												
Emissions per Day						**1.03E-01**	**1.98E-01**	**5.99E-01**	**7.76E-01**	**3.13E+02**	**1.51E-02**	**1.40E-02**	**2.37E-03**

[1] OFFROAD2021. Port Yard Truck. South Coast Air Basin, Year 2027

9000 Airport - Operational Health Risk Assessment

Vehicle Emissions - Option 1

Daily Trips[1]

Vehicle Category	Total	% Diesel[2]	Diesel Trips	Non-Diesel Trips
2-axle Trucks	98	49%	48	50
3-axle Trucks	121	68%	83	38
4+ axle Trucks	366	100%	366	0
Total Trucks	585			

Trip Distribution - Diesel

Travel Path	Distance (mi)[3]	% Distribution[4]	Daily Trips 2-Axle	Daily Trips 3-Axle	Daily Trips 4+-Axle	Daily VMT 2-Axle	Daily VMT 3-Axle	Daily VMT 4+-Axle
Onsite Truck Travel								
West Truck - Ingress/Egress	0.185	100%	48	83	366	8.9	15.4	67.7
West Truck - Maneuvering	0.100	100%	48	83	366	4.8	8.3	36.6
Offsite Truck Travel								
North Truck - Offsite	0.457	30%	14	25	110	6.6	11.4	50.1
South Truck - Offsite	0.418	20%	10	17	73	4.0	6.9	30.6
East Truck - Offsite	0.908	30%	14	25	110	13.1	22.6	99.7
West Truck - Offsite	0.594	20%	10	17	73	5.7	9.9	43.5

Emission Factors - Diesel[5]

On-site Travel

Type	Year	Vehicle Class	Speed (mph)	Fuel	Travel PM (g/mi)	Travel TOG (g/mi)	Travel NOx (g/mi)	Idle PM (g/hr)	Idle TOG (g/hr)	Idle NOx (g/hr)
2-axle Trucks	2027	LHDT2	10	DSL	0.05	0.26	1.11	0.81	3.61	42.9
3-axle Trucks	2027	MHDT	10	DSL	0.02	0.11	2.29	0.04	0.67	31.9
4+ axle Trucks	2027	HHDT	10	DSL	0.01	0.08	7.83	0.01	2.69	27.3

Off-site Travel

Type	Year	Vehicle Class	Speed (mph)	Fuel	PM (g/mi)	TOG (g/mi)
2-axle Trucks	2027	LHDT2	30	DSL	0.02	0.14
3-axle Trucks	2027	MHDT	30	DSL	0.01	0.02
4+ axle Trucks	2027	HHDT	30	DSL	0.01	0.02

On-site Maneuvering

Type	Year	Vehicle Class	Speed (mph)	Fuel	PM (g/mi)	TOG (g/mi)	NOx (g/mi)
2-axle Trucks	2027	LHDT2	5	DSL	0.06	0.31	1.27
3-axle Trucks	2027	MHDT	5	DSL	0.03	0.00	3.07
4+ axle Trucks	2027	HHDT	5	DSL	0.01	0.14	10.89

Emission Rate

Travel Path	PM (g/mi) 2-Axle	3-Axle	4+-Axle	PM (g/day) 2-Axle	3-Axle	4+-Axle	Total	Total (lbs/year)
Onsite Truck Travel								
West Truck - Ingress/Egress (10 mph)	0.05	0.02	0.01	0.4	0.3	0.8	1.55	**1.25**
West Truck - Maneuvering (5 mph)	0.06	0.03	0.01	0.3	0.21	0.5	1.01	**0.82**
Offsite Truck Travel (30 mph)								
North Truck - Offsite	0.02	0.01	0.01	0.2	0.1	0.3	0.57	**0.46**
South Truck - Offsite	0.02	0.01	0.01	0.1	0.0	0.2	0.35	**0.28**
East Truck - Offsite	0.02	0.01	0.01	0.3	0.1	0.7	1.14	**0.91**
West Truck - Offsite	0.02	0.01	0.01	0.1	0.1	0.3	0.50	**0.40**

Idle Emissions[6]	PM (g/hr) 2-Axle	3-Axle	4+-Axle	PM (g/day) 2-Axle	3-Axle	4+-Axle	Total	Total (lbs/year)
West Truck - Idle	0.81	0.04	0.01	4.876	0.4464	0.6381	5.96	**4.80**

Transportation Refrigeration Unit (TRU)

Emission Rate (lbs/hr)[7]	0.0009
TRU Operation Time per Truck (hrs)	1
Daily Number of Trucks with TRU[8]	**8**
Total Annual TRU Hours	3052
Total Annual TRU Emissions (lbs)	**2.7**

[1] Truck Trip Estimates for 9000 Airport Boulevard Los Angeles, California. Gibson Transportation Consulting. January 28, 2025

[2] Television City Truck Trips Memorandum and EMFAC2021 Fleet Mix for Los Angeles County, Year 2027

[3] Measured using Google Earth

[4] Gibson Transportation Consulting, January 16, 2025

[5] CARB EMFAC2021, South Coast Air Basin, Year 2027

[6] Assumes each truck idles for 15 minutes per visit

[7] CARB Draft Transportation Refrigeration Unit Emissions Inventory, 2019.

[8] High-Cube Warehouse Vehicle Trip Generation Analysis. Institute of Transportation Engineers. October 2016.

9000 Airport - Operational Health Risk Assessment

Vehicle Emissions - Option 2

Daily Trips[1]

Vehicle Category	Total	% Diesel[2]	Diesel Trips	Non-Diesel Trips
Passenger Vehicles	1,917	0.2%	4	1,913
2-axle Trucks	88	49%	44	44
3-axle Trucks	109	68%	74	35
4+ axle Trucks	330	100%	330	0
Total Trucks	**527**			

Trip Distribution - Diesel

Travel Path	Distance (mi)[3]	% Distribution[4]	Daily Trips 2-Axle	Daily Trips 3-Axle	Daily Trips 4+-Axle	Daily VMT LDA / LDT	Daily VMT 2-Axle	Daily VMT 3-Axle	Daily VMT 4+-Axle
Onsite Truck Travel									
North Truck - Ingress/Egress	0.125	50%	22	37	165		2.7	4.6	20.5
North Truck - Maneuvering	0.100	50%	22	37	165		2.2	3.7	16.5
South Truck - Ingress/Egress	0.276	50%	22	37	165		6.1	10.2	45.6
South Truck - Maneuvering	0.100	50%	22	37	165		2.2	3.7	16.5
Offsite Truck Travel									
North Truck - Offsite	0.457	30%	13	22	99		6.0	10.1	45.2
South Truck - Offsite	0.418	20%	9	15	66		3.7	6.2	27.6
East Truck - Offsite	0.908	30%	13	22	99		12.0	20.2	89.9
West Truck - Offsite	0.594	20%	9	15	66		5.2	8.8	39.2

Emission Factors - Diesel[5]

On-site Travel

Type	Year	Vehicle Class	Speed (mph)	Fuel	PM (g/mi)	TOG (g/mi)	Idle NOx (g/mi)	Idle PM (g/hr)	Idle TOG (g/hr)
2-axle Trucks	2027	LHDT2	10	DSL	0.05	0.26	1.11	0.81	3.61
3-axle Trucks	2027	MHDT	10	DSL	0.02	0.11	2.29	0.04	0.67
4+ axle Trucks	2027	HHDT	10	DSL	0.01	0.08	7.83	0.01	2.69

Off-site Travel

Type	Year	Vehicle Class	Speed (mph)	Fuel	PM (g/mi)	TOG (g/mi)
2-axle Trucks	2027	LHDT2	30	DSL	0.02	0.14
3-axle Trucks	2027	MHDT	30	DSL	0.01	0.02
4+ axle Trucks	2027	HHDT	30	DSL	0.01	0.02

On-site Maneuvering

Type	Year	Vehicle Class	Speed (mph)	Fuel	PM (g/mi)	TOG (g/mi)	NOx (g/mi)
2-axle Trucks	2027	LHDT2	5	DSL	0.06	0.31	1.27
3-axle Trucks	2027	MHDT	5	DSL	0.03	0.17	3.07
4+ axle Trucks	2027	HHDT	5	DSL	0.01	0.14	10.89

Emission Rate

Travel Path	PM (g/mi) 2-Axle	3-Axle	4+-Axle	PM (g/day) LDA / LDT	2-Axle	3-Axle	4+-Axle	Total	Total (lbs/year)
Onsite Truck Travel									
North Truck - Ingress/Egress (10 mph)	0.05	0.02	0.01		0.1	0.1	0.2	0.47	**0.38**
North Truck - Maneuvering (5 mph)	0.06	0.03	0.01		0.1	0.1	0.2	0.46	**0.37**
South Truck - Ingress/Egress (10 mph)	0.05	0.02	0.01		0.3	0.2	0.5	1.05	**0.84**
South Truck - Maneuvering (5 mph)	0.06	0.03	0.01		0.1	0.1	0.2	0.46	**0.37**
Offsite Truck Travel (30 mph)									
North Truck - Offsite	0.02	0.01	0.01		0.1	0.1	0.3	0.52	**0.42**
South Truck - Offsite	0.02	0.01	0.01		0.1	0.0	0.2	0.32	**0.25**
East Truck - Offsite	0.02	0.01	0.01		0.3	0.1	0.6	1.03	**0.83**
West Truck - Offsite	0.02	0.01	0.01		0.1	0.1	0.3	0.45	**0.36**

Idle Emissions[6]	PM (g/hr) 2-Axle	3-Axle	4+-Axle	PM (g/day) LDA / LDT	2-Axle	3-Axle	4+-Axle	Total	Total (lbs/year)
North Truck - Idle	0.81	0.04	0.01		2.235	0.199	0.2877	2.72	**2.19**
South Truck - Idle	0.81	0.04	0.01		2.235	0.199	0.2877	2.72	**2.19**

Transportation Refrigeration Unit (TRU)

Emission Rate (lbs/hr)[7]	0.0009
TRU Operation Time per Truck (hrs)	1
Daily Number of Trucks with TRU[8]	**8**
Total Annual TRU Hours	3051
Total Annual TRU Emissions (lbs)	**2.7**

[1] Truck Trip Estimates for 9000 Airport Boulevard Los Angeles, California. Gibson Transportation Consulting. January 28, 2025

[2] Television City Truck Trips Memorandum and EMFAC2021 Fleet Mix for Los Angeles County, Year 2027

[3] Measured using Google Earth

[4] Gibson Transportation Consulting, January 16, 2025

[5] CARB EMFAC2021, South Coast Air Basin, Year 2027

[6] Assumes each truck idles for 15 minutes per visit

[7] CARB Draft Transportation Refrigeration Unit Emissions Inventory, 2019.

[8] High-Cube Warehouse Vehicle Trip Generation Analysis. Institute of Transportation Engineers. October 2016.

9000 Airport

Emergency Generator - Emissions Calculations

Annual Emissions Calculations (DPM for HRA)

Emergency Generator - Diesel (HP Rating)	500
Load Factor	0.74
Hours per year	200
Emission Factor (g/hp-hr)[1]	0.01
Emissions per Year (lbs)	**1.63**

Dailiy Emissions Calculations (Criteria Pollutants)

Hours per day[2]	0.25							
		TOG	ROG	NOx	CO	SO2	PM10	PM2.5
Emission Factor (g/hp-hr)[3]		0.14	0.14	0.30	2.60	0.00	0.01	0.01
Dailiy Emissions (lbs/day)		**0.029**	**0.029**	**0.061**	**0.530**	**0.001**	**0.002**	**0.002**

[1] Based on SCAQMD Rule 1470 emission factors for PM (0.01 g/hp-hr)

[2] Assumes one test per day, 15 minutes per test

[3] Based on CalEEMod default emission factors and SCAQMD Rule 1470 for PM

9000 Airport

Fleet Mix Calculation

Television City Truck Trip Data[1]

TVC Truck Trips (On-site)

Existing

Truck Type	Total Trips	Non Diesel	Diesel
HHDT (semis)	13	0	13
Light Heavy 5-ton (T5)	22	11	11
Medium Heavy 10-ton (T6&7)	43	14	29
Total Truck Trips	78	25	53

Note: Light trucks accessing the property areapproximately 1/3 5-ton and 2/3 10-ton trucks

Project

Truck Type	Total Trips	Non Diesel	Diesel
HHDT (semis)	36	0	36
Light Heavy 5-ton (T5)	43	22	21
Medium Heavy 10-ton (T6&7)	87	28	59
Total Truck Trips	166	50	116

Note: Light trucks accessing the property areapproximately 1/3 5-ton and 2/3 10-ton trucks

[1] Television City Project Draft EIR

CARB EMFAC2021 Fleet Mix Population Data

Source	**CARB Fleet Web Database**				
Region type	Sub-Area				
Region	Los Angeles (SC)				
Calendar Year	2027	Inventory			
Vehicle Category	T5, Light-heavy duty trucks (GVWR 10,001–14,000 lbs); T6, Medium-heavy duty trucks (GVW				
GVWR Class output	Yes				
Fuel Type	Gasoline	Diesel	Electric	Natural Gas	Hydrogen
Model Year	Aggregate				
Vehicle Population Output	Aggregati	Aggregate			

Vehicle Category	GVWR Class	Fuel Type	Fuel Technol	Sub-Area	Vehicle Population
T5	3	Diesel	ICE	Los Angeles (SC)	2021
T5	3	Diesel	ICE	Los Angeles (SC)	2173
T5	3	Diesel	ICE	Los Angeles (SC)	2482
T5	3	Diesel	ICE	Los Angeles (SC)	10564
T5	3	Gasoline	ICE	Los Angeles (SC)	1761
T5	3	Gasoline	ICE	Los Angeles (SC)	1528
T5	3	Gasoline	ICE	Los Angeles (SC)	1607
T5	3	Gasoline	ICE	Los Angeles (SC)	13111
T5	3	Natural Gas	ICE	Los Angeles (SC)	1

Percent Non-Diesel **51%**

9000 Airport

Fleet Mix Calculation

T6	Unknown	Diesel	ICE	Los Angeles (SC)	196
T6	Unknown	Diesel	ICE	Los Angeles (SC)	23
T6	Unknown	Diesel	ICE	Los Angeles (SC)	19
T6	Unknown	Diesel	ICE	Los Angeles (SC)	1058
T6	Unknown	Electric	BEV	Los Angeles (SC)	2
T6	Unknown	Electric	BEV	Los Angeles (SC)	4
T6	Unknown	Electric	BEV	Los Angeles (SC)	7
T6	Unknown	Gasoline	ICE	Los Angeles (SC)	139
T6	Unknown	Gasoline	ICE	Los Angeles (SC)	19
T6	Unknown	Gasoline	ICE	Los Angeles (SC)	12
T6	Unknown	Gasoline	ICE	Los Angeles (SC)	355
T6	Unknown	Natural Gas	ICE	Los Angeles (SC)	1
T6	Unknown	Natural Gas	ICE	Los Angeles (SC)	1
T6	Unknown	Natural Gas	ICE	Los Angeles (SC)	1
T6	Unknown	Natural Gas	ICE	Los Angeles (SC)	41
T6	4	Diesel	ICE	Los Angeles (SC)	531
T6	4	Diesel	ICE	Los Angeles (SC)	320
T6	4	Diesel	ICE	Los Angeles (SC)	317
T6	4	Diesel	ICE	Los Angeles (SC)	3426
T6	4	Electric	BEV	Los Angeles (SC)	1
T6	4	Electric	BEV	Los Angeles (SC)	1
T6	4	Electric	BEV	Los Angeles (SC)	1
T6	4	Gasoline	ICE	Los Angeles (SC)	764
T6	4	Gasoline	ICE	Los Angeles (SC)	601
T6	4	Gasoline	ICE	Los Angeles (SC)	621
T6	4	Gasoline	ICE	Los Angeles (SC)	5384
T6	4	Natural Gas	ICE	Los Angeles (SC)	1
T6	4	Natural Gas	ICE	Los Angeles (SC)	1
T6	4	Natural Gas	ICE	Los Angeles (SC)	4
T6	5	Diesel	ICE	Los Angeles (SC)	977
T6	5	Diesel	ICE	Los Angeles (SC)	749
T6	5	Diesel	ICE	Los Angeles (SC)	753
T6	5	Diesel	ICE	Los Angeles (SC)	9030
T6	5	Electric	BEV	Los Angeles (SC)	1
T6	5	Gasoline	ICE	Los Angeles (SC)	407
T6	5	Gasoline	ICE	Los Angeles (SC)	189
T6	5	Gasoline	ICE	Los Angeles (SC)	192
T6	5	Gasoline	ICE	Los Angeles (SC)	6188
T6	5	Natural Gas	ICE	Los Angeles (SC)	1
T6	5	Natural Gas	ICE	Los Angeles (SC)	47
T6	6	Diesel	ICE	Los Angeles (SC)	1400
T6	6	Diesel	ICE	Los Angeles (SC)	1064
T6	6	Diesel	ICE	Los Angeles (SC)	1017
T6	6	Diesel	ICE	Los Angeles (SC)	12528
T6	6	Electric	BEV	Los Angeles (SC)	2

9000 Airport

Fleet Mix Calculation

T6	6 Electric	BEV	Los Angeles (SC)	36
T6	6 Gasoline	ICE	Los Angeles (SC)	633
T6	6 Gasoline	ICE	Los Angeles (SC)	133
T6	6 Gasoline	ICE	Los Angeles (SC)	116
T6	6 Gasoline	ICE	Los Angeles (SC)	2134
T6	6 Natural Gas	ICE	Los Angeles (SC)	2
T6	6 Natural Gas	ICE	Los Angeles (SC)	90
T6	7 Diesel	ICE	Los Angeles (SC)	530
T6	7 Diesel	ICE	Los Angeles (SC)	278
T6	7 Diesel	ICE	Los Angeles (SC)	281
T6	7 Diesel	ICE	Los Angeles (SC)	6975
T6	7 Electric	BEV	Los Angeles (SC)	1
T6	7 Electric	BEV	Scrubbed	1
T6	7 Electric	BEV	Los Angeles (SC)	5
T6	7 Gasoline	ICE	Los Angeles (SC)	212
T6	7 Gasoline	ICE	Los Angeles (SC)	19
T6	7 Gasoline	ICE	Los Angeles (SC)	12
T6	7 Gasoline	ICE	Los Angeles (SC)	1005
T6	7 Natural Gas	ICE	Los Angeles (SC)	10
T6	7 Natural Gas	ICE	Los Angeles (SC)	8
T6	7 Natural Gas	ICE	Los Angeles (SC)	2
T6	7 Natural Gas	ICE	Los Angeles (SC)	226
			Total T-5 Population	61105
			Percent Non-Diesel	19633
			Percent Non-Diesel	**32%**

9000 Airport - Operational Health Risk Assessment

Emission Factor Summary - EMFAC2021

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx RUNEX	PM2.5 RUNEX	PM10 RUNEX	CO2 RUNEX	CH4 RUNEX	N2O RUNEX	ROG RUNEX	TOG RUNEX	CO RUNEX	SOx RUNEX	NH3 RUNEX	PM10 PMBW	PM2.5 PMBW
South Coast	2024	HHDT	Aggregate	10	Diesel	13009.29	13009.29	0.00	8.14	0.01	0.01	2795.56	0.00	0.44	0.08	0.09	0.73	0.03	0.21	0.14	0.05
South Coast	2027	HHDT	Aggregate	10	Diesel	12025.90	12025.90	0.00	7.83	0.01	0.01	2617.90	0.00	0.41	0.07	0.08	0.67	0.02	0.22	0.14	0.05

Diesel On-site

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx RUNEX	PM2.5 RUNEX	PM10 RUNEX	CO2 RUNEX	CH4 RUNEX	N2O RUNEX	ROG RUNEX	TOG RUNEX	CO RUNEX	SOx RUNEX	NH3 RUNEX	PM10 PMBW	PM2.5 PMBW
South Coast	2027	HHDT	Aggregate	5	Diesel	618.23797	618.23797	0	10.887	0.01348736	0.0141	3040.82	0.0059	0.4791	0.126	0.1434	1.0749	0.0288	0.215987588	0.14	0.049
South Coast	2027	HHDT	Aggregate	10	Diesel	12025.903	12025.903	0	7.8274	0.01138729	0.0119	2617.9	0.0034	0.4125	0.0739	0.0842	0.6732	0.0248	0.215981732	0.14	0.049
South Coast	2027	HHDT	Aggregate	15	Diesel	36902.03	36902.03	0	5.1797	0.00890139	0.0093	2155.88	0.0017	0.3397	0.0367	0.0418	0.3709	0.0204	0.215696711	0.139	0.049
South Coast	2027	HHDT	Aggregate	20	Diesel	378880.44	378880.44	0	3.2159	0.0053248	0.0056	1939.42	0.0009	0.3056	0.0201	0.0229	0.2331	0.0184	0.218551266	0.048	0.017
South Coast	2027	HHDT	Aggregate	25	Diesel	258070.70	258070.70	0	3.0708	0.0064432	0.0067	1722.14	0.0008	0.2713	0.0167	0.019	0.195	0.0163	0.216064535	0.133	0.046
South Coast	2027	HHDT	Aggregate	30	Diesel	474538.61	474538.61	0	2.3521	0.00655731	0.0069	1600.5	0.0006	0.2522	0.0136	0.0155	0.154	0.0152	0.216215489	0.131	0.046
South Coast	2027	HHDT	Aggregate	35	Diesel	601715.65	601715.65	0	1.7868	0.00758669	0.0079	1506.53	0.0005	0.2374	0.0113	0.0129	0.1192	0.0143	0.216356147	0.111	0.039
South Coast	2027	HHDT	Aggregate	40	Diesel	675559.9	675559.9	0	1.3896	0.00951737	0.0099	1447.45	0.0005	0.228	0.0098	0.0111	0.0907	0.0137	0.216209845	0.097	0.034
South Coast	2027	HHDT	Aggregate	45	Diesel	705696.08	705696.08	0	1.1498	0.01239066	0.013	1413.93	0.0004	0.2228	0.0091	0.0103	0.0685	0.0134	0.216062638	0.082	0.029
South Coast	2027	LHDT2	Aggregate	5	Diesel	242.10572	242.10572	0	1.271	0.05671439	0.0593	1338.61	0.0125	0.2109	0.2681	0.3052	0.8282	0.0127	0.197570318	0.091	0.032
South Coast	2027	LHDT2	Aggregate	10	Diesel	3867.5481	3867.5481	0	1.1123	0.04646039	0.0486	1166.81	0.0105	0.1838	0.2258	0.257	0.6644	0.0111	0.198489536	0.091	0.032
South Coast	2027	LHDT2	Aggregate	15	Diesel	10653.206	10653.206	0	0.9685	0.03817628	0.0399	1001.42	0.0089	0.1578	0.1922	0.2189	0.5312	0.0095	0.199007311	0.091	0.032
South Coast	2027	LHDT2	Aggregate	20	Diesel	42264.633	42264.633	0	0.8802	0.03221956	0.0337	869.086	0.0077	0.1369	0.1667	0.1898	0.4323	0.0082	0.198820027	0.091	0.032
South Coast	2027	LHDT2	Aggregate	25	Diesel	86716.151	86716.151	0	0.8271	0.02773814	0.029	757.636	0.0068	0.1194	0.1464	0.1666	0.3549	0.0072	0.197882327	0.091	0.032
South Coast	2027	LHDT2	Aggregate	30	Diesel	145966.11	145966.11	0	0.7656	0.02342014	0.0245	662.965	0.0059	0.1045	0.1265	0.144	0.2824	0.0063	0.197635155	0.091	0.032
South Coast	2027	LHDT2	Aggregate	35	Diesel	171435.88	171435.88	0	0.7052	0.01961784	0.0205	588.203	0.005	0.0927	0.1081	0.123	0.2193	0.0056	0.197970553	0.091	0.032
South Coast	2027	LHDT2	Aggregate	40	Diesel	161164.07	161164.07	0	0.7059	0.01742933	0.0182	533.681	0.0044	0.0841	0.0949	0.108	0.1779	0.0051	0.196580887	0.091	0.032
South Coast	2027	LHDT2	Aggregate	45	Diesel	142662.98	142662.98	0	0.675	0.01512893	0.0158	494.674	0.0038	0.0779	0.0811	0.0923	0.1394	0.0047	0.19704028	0.091	0.032
South Coast	2027	MHDT	Aggregate	5	Diesel	2872.1542	2872.1542	0	3.0741	0.02457317	0.0257	2367.21	0.007	0.373	0.1506	0.1714	0.4283	0.0224	0.215764316	0.061	0.022
South Coast	2027	MHDT	Aggregate	10	Diesel	19089.469	19089.469	0	2.2948	0.01942246	0.0203	1958.47	0.0045	0.3086	0.0967	0.1101	0.2941	0.0185	0.216076097	0.061	0.022
South Coast	2027	MHDT	Aggregate	15	Diesel	46416.904	46416.904	0	1.6247	0.0134019	0.014	1540.57	0.0023	0.2427	0.0502	0.0572	0.1873	0.0146	0.215614949	0.061	0.022
South Coast	2027	MHDT	Aggregate	20	Diesel	144603.15	144603.15	0	1.2749	0.00856407	0.009	1311.96	0.0012	0.2067	0.0248	0.0283	0.1313	0.0124	0.215459945	0.061	0.021
South Coast	2027	MHDT	Aggregate	25	Diesel	291596.91	291596.91	0	1.0394	0.00662682	0.0069	1185.24	0.0008	0.1867	0.0177	0.0202	0.105	0.0112	0.215482571	0.05	0.017
South Coast	2027	MHDT	Aggregate	30	Diesel	446558.19	446558.19	0	0.8444	0.00562631	0.0059	1094.58	0.0007	0.1725	0.014	0.0159	0.0864	0.0104	0.215422182	0.044	0.016
South Coast	2027	MHDT	Aggregate	35	Diesel	462212.41	462212.41	0	0.693	0.00510195	0.0053	1027.84	0.0005	0.1619	0.0112	0.0127	0.0709	0.0097	0.215376484	0.042	0.015
South Coast	2027	MHDT	Aggregate	40	Diesel	464740.98	464740.98	0	0.5698	0.00498941	0.0052	985.158	0.0004	0.1552	0.0092	0.0105	0.0582	0.0093	0.215724353	0.042	0.015
South Coast	2027	MHDT	Aggregate	45	Diesel	443476.22	443476.22	0	0.51	0.00553091	0.0058	966.361	0.0004	0.1523	0.0085	0.0097	0.0498	0.0092	0.215742964	0.042	0.015

Diesel Off-site

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RU	NOx_IDLI	NOx_STI	PM2.5_F	PM2.5_I	PM2.5_S	PM2.5_F	PM2.5_F	PM10_RUNEX	PM10_II	PM10_S
South Coast	2027	HHDT	Aggregate	Aggreg	Diesel	99724.514	12112029	12112	0	1,532,346.2	1.6	59.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Coast	2027	LDA	Aggregate	Aggreg	Diesel	11005.800	334268.74	33426	0	46,116.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Coast	2027	LDT1	Aggregate	Aggreg	Diesel	69.635236	1288.2490	1288.2	0	194.9	1.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0
South Coast	2027	LDT2	Aggregate	Aggreg	Diesel	9170.0883	387107.81	38710	0	43,857.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Coast	2027	LHDT1	Aggregate	Aggreg	Diesel	113648.32	4737175.5	47371	0	1,429,552.9	0.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Coast	2027	LHDT2	Aggregate	Aggreg	Diesel	51637.048	2115300.2	21153	0	649,529.1	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Coast	2027	MDV	Aggregate	Aggreg	Diesel	20104.47	773579.45	77357	0	93,514.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

9000 Airport - Operational Health Risk Assessment

Emission Factor Summary - EMFAC2021

South Coast	2027	MH	Aggregate	Aggreg:	Diesel	12106.549	118728.59	11872	0	1,210.7	3.2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
South Coast	2027	MHDT	Aggregate	Aggreg:	Diesel	120843.20	4956414.5	49564	0	1,489,042.5	0.7	10.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Coast	2027	OBUS	Aggregate	Aggreg:	Diesel	3217.5348	234787.41	23478	0	41,483.1	1.6	14.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Coast	2027	SBUS	Aggregate	Aggreg:	Diesel	2945.7534	58990.422	58990	0	42,654.5	7.4	31.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Coast	2027	UBUS	Aggregate	Aggreg:	Diesel	11.115018	1410.8945	1410.8	0	44.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Gasoline On-site

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RU	PM2.5_RUNE	PM10_R	CO2_RUI	CH4_RU	N2O_RU	ROG_RU	TOG_RU	CO_RUI	SOx_RU	NH3_RUNEX	PM10_F	PM2.5_I
South Coast	2027	HHDT	Aggregate	5	Gasolir	0.2964745	0.2964745	0	7.1448	0.00749909	0.0082	4707.28	0.7033	0.2659	3.4781	5.0752	65.079	0.0465	0.044963766	0.151	0.053
South Coast	2027	HHDT	Aggregate	10	Gasolir	6.6726353	6.6726353	0	6.1465	0.0047685	0.0052	3787.78	0.4366	0.2298	2.1509	3.1386	55.801	0.0374	0.044973247	0.15	0.052
South Coast	2027	HHDT	Aggregate	15	Gasolir	19.485390	19.485390	0	5.7327	0.00323727	0.0035	3120.78	0.2954	0.2082	1.4656	2.1386	51.103	0.0309	0.044963644	0.148	0.052
South Coast	2027	HHDT	Aggregate	20	Gasolir	58.642853	58.642853	0	5.2875	0.00230961	0.0025	2595.86	0.2085	0.1893	1.0374	1.5137	46.111	0.0257	0.04496413	0.145	0.051
South Coast	2027	HHDT	Aggregate	25	Gasolir	107.32434	107.32434	0	4.9841	0.00173228	0.0019	2226.64	0.1564	0.1754	0.7814	1.1402	42.097	0.022	0.044963888	0.142	0.05
South Coast	2027	HHDT	Aggregate	30	Gasolir	185.82614	185.82614	0	4.755	0.00136924	0.0015	1978.49	0.1232	0.1649	0.6173	0.9007	38.618	0.0196	0.044963861	0.14	0.049
South Coast	2027	HHDT	Aggregate	35	Gasolir	219.02809	219.02809	0	4.593	0.00114266	0.0012	1832.69	0.1021	0.1572	0.513	0.7486	35.645	0.0181	0.044963602	0.119	0.042
South Coast	2027	HHDT	Aggregate	40	Gasolir	252.01217	252.01217	0	4.4766	0.00100206	0.0011	1770.4	0.0891	0.1519	0.4487	0.6548	32.988	0.0175	0.044965942	0.103	0.036
South Coast	2027	HHDT	Aggregate	45	Gasolir	284.79784	284.79784	0	4.4215	0.00092122	0.001	1773.44	0.082	0.1489	0.4128	0.6023	30.813	0.0175	0.04496655	0.087	0.031
South Coast	2027	LHDT2	Aggregate	5	Gasolir	199.33404	199.33404	0	0.1724	0.00295135	0.0032	1683.73	0.0145	0.0109	0.0632	0.0923	1.6626	0.0166	0.044995398	0.091	0.032
South Coast	2027	LHDT2	Aggregate	10	Gasolir	3478.9426	3478.9426	0	0.1476	0.00215315	0.0023	1433.47	0.0094	0.0094	0.0402	0.0586	1.3046	0.0142	0.044996314	0.091	0.032
South Coast	2027	LHDT2	Aggregate	15	Gasolir	9217.7446	9217.7446	0	0.136	0.00169262	0.0018	1218.03	0.0069	0.0086	0.0295	0.0431	1.0669	0.012	0.044995419	0.091	0.032
South Coast	2027	LHDT2	Aggregate	20	Gasolir	29749.456	29749.456	0	0.1236	0.0013453	0.0015	1038.16	0.005	0.0078	0.0212	0.0309	0.8486	0.0103	0.044995693	0.091	0.032
South Coast	2027	LHDT2	Aggregate	25	Gasolir	59388.153	59388.153	0	0.1139	0.00110095	0.0012	890.205	0.0037	0.0072	0.0158	0.023	0.679	0.0088	0.044995881	0.091	0.032
South Coast	2027	LHDT2	Aggregate	30	Gasolir	95048.365	95048.365	0	0.1074	0.00093091	0.001	771.903	0.0028	0.0068	0.0122	0.0178	0.555	0.0076	0.044995904	0.091	0.032
South Coast	2027	LHDT2	Aggregate	35	Gasolir	102431.86	102431.86	0	0.1027	0.00081512	0.0009	681.668	0.0022	0.0065	0.0098	0.0142	0.4699	0.0067	0.044996029	0.091	0.032
South Coast	2027	LHDT2	Aggregate	40	Gasolir	99453.121	99453.121	0	0.099	0.00074203	0.0008	618.177	0.0018	0.0064	0.008	0.0117	0.4188	0.0061	0.044996541	0.091	0.032
South Coast	2027	LHDT2	Aggregate	45	Gasolir	95301.067	95301.067	0	0.0978	0.00071584	0.0008	577.649	0.0016	0.0063	0.0072	0.0104	0.4134	0.0057	0.044996392	0.091	0.032
South Coast	2027	MHDT	Aggregate	5	Gasolir	719.16110	719.16110	0	0.453	0.00635813	0.0069	3789.7	0.0454	0.0264	0.211	0.3079	1.5748	0.0375	0.045	0.061	0.022
South Coast	2027	MHDT	Aggregate	10	Gasolir	4578.2431	4578.2431	0	0.3942	0.00400293	0.0044	3077.23	0.0286	0.023	0.1329	0.194	1.3986	0.0304	0.045	0.061	0.022
South Coast	2027	MHDT	Aggregate	15	Gasolir	12026.016	12026.016	0	0.3608	0.00267276	0.0029	2512.2	0.0197	0.0208	0.092	0.1343	1.3103	0.0248	0.045	0.061	0.022
South Coast	2027	MHDT	Aggregate	20	Gasolir	37496.200	37496.200	0	0.322	0.0018708	0.002	2089.31	0.0137	0.0186	0.0641	0.0935	1.1754	0.0207	0.045	0.061	0.021
South Coast	2027	MHDT	Aggregate	25	Gasolir	73729.569	73729.569	0	0.2929	0.00138242	0.0015	1786.07	0.0101	0.0169	0.0473	0.069	1.0672	0.0177	0.045	0.05	0.017
South Coast	2027	MHDT	Aggregate	30	Gasolir	111018.87	111018.87	0	0.2723	0.00107845	0.0012	1584.67	0.0079	0.0157	0.037	0.054	0.9796	0.0157	0.045	0.044	0.016
South Coast	2027	MHDT	Aggregate	35	Gasolir	116087.64	116087.64	0	0.2545	0.00088583	0.001	1469.83	0.0065	0.0147	0.0302	0.044	0.8937	0.0145	0.045	0.042	0.015
South Coast	2027	MHDT	Aggregate	40	Gasolir	108210.92	108210.92	0	0.24	0.00076704	0.0008	1423.75	0.0055	0.0139	0.0258	0.0376	0.8131	0.0141	0.045	0.042	0.015
South Coast	2027	MHDT	Aggregate	45	Gasolir	105356.95	105356.95	0	0.2337	0.00070217	0.0008	1428.71	0.0051	0.0135	0.0237	0.0345	0.7592	0.0141	0.045	0.042	0.015

calendar_year	season_month	sub_area	vehicle_clas	fuel	temper	relative_hu	process	speed_	pollutan	emission_rate
2027	Annual	Los Angeles (SC)	HHDT	Dsl			IDLEX		PM10	0.014
2027	Annual	Los Angeles (SC)	LHDT1	Dsl			IDLEX		PM10	0.799
2027	Annual	Los Angeles (SC)	LHDT2	Dsl			IDLEX		PM10	0.813
2027	Annual	Los Angeles (SC)	MHDT	Dsl			IDLEX		PM10	0.043

calendar_year	season_month	sub_area	vehicle_clas	fuel	temper	relative_hu	process	speed_	pollutan	emission_rate
2027	Annual	Los Angeles (SC)	HHDT	Dsl			IDLEX		TOG	2.694

9000 Airport - Operational Health Risk Assessment

Emission Factor Summary - EMFAC2021

2027	Annual	Los Angeles (SC)	LHDT1	Dsl		IDLEX	TOG	3.612
2027	Annual	Los Angeles (SC)	LHDT2	Dsl		IDLEX	TOG	3.612
2027	Annual	Los Angeles (SC)	MHDT	Dsl		IDLEX	TOG	0.667

calendar_year	season_month	sub_area	vehicle_clas	fuel	temper	relative_hu	process	speed_	pollutan	emission_rate
2027	Annual	Los Angeles (SC)	HHDT	Dsl			IDLEX		NOx	27.315
2027	Annual	Los Angeles (SC)	LHDT1	Dsl			IDLEX		NOx	42.920
2027	Annual	Los Angeles (SC)	LHDT2	Dsl			IDLEX		NOx	42.560
2027	Annual	Los Angeles (SC)	MHDT	Dsl			IDLEX		NOx	31.935

Model Output: OFFROAD2021 (v1.0.9) Emissions Inventory
Region Type: Air Basin
Region: South Coast
Calendar Year: 2027
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
South Coast	2027	Cargo Handling Equipment - Port Yard Truck	Aggregate	300	Diesel	4.48E-02	5.04E-02	9.67E-02	2.92E-01	3.78E-01	1.52E+02	7.35E-03	6.81E-03	1.16E-03

Convert to lbs/day

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	Total Hours per day	ROG (lbs/day)	TOG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	CO2 (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	SOX (lbs/day)
South Coast	2027	Cargo Handling Equipment - Port Yard Truck	Aggregate	300	Diesel	7,800	1.01E+02	1.93E+02	5.84E+02	7.57E+02	3.05E+05	1.47E+01	1.36E+01	2.31E+00

Convert to lbs/hr

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	ROG (lbs/hr)	TOG (lbs/hr)	CO (lbs/hr)	NOx (lbs/hr)	CO2 (lbs/hr)	PM10 (lbs/hr)	PM2.5 (lbs/hr)	SOX (lbs/hr)
South Coast	2027	Cargo Handling Equipment - Port Yard Truck	Aggregate	300	Diesel	1.29E-02	2.48E-02	7.49E-02	9.70E-02	3.91E+01	1.88E-03	1.75E-03	2.96E-04

CARB Draft 2019 TRU Emissions Inventory Output

Scenario	Calendar Year	Equipment Sector	Air Basin	Equipment Type	Horsepower Group	Population	Activity	NOx	PM2.5	PM10	TOG	CO	CO2
Existing ATCM	2027	trailgc	SC	genca	GE23LT25	1272.285	1000	0.089945828	0.004318504	0.004694027	0.007054	0.087412	14.41649
Existing ATCM	2027	trailgc	SC	genca	GE25	286.275304	1000	0.018402238	0.000266262	0.000289415	0.002873	0.027582	3.553
Existing ATCM	2027	trailgc	SC	genca	LT23	0	1000	0	0	0	0	0	0
Existing ATCM	2027	trailgc	SC	genoos	GE23LT25	5048.46617	1000	0.056666543	0.00272069	0.002957272	0.004575	0.055766	9.082496
Existing ATCM	2027	trailgc	SC	genoos	GE25	1148.37016	1000	0.011751358	0.000176994	0.000192385	0.001823	0.017533	2.262892
Existing ATCM	2027	trailgc	SC	genoos	LT23	0	1000	0	0	0	0	0	0
Existing ATCM	2027	trailgc	SC	truca	GE23LT25	4977.08974	2201	1.079687542	0.048366559	0.052572347	0.174619	1.528033	173.0241
Existing ATCM	2027	trailgc	SC	truca	GE25	7641.1607	2201	1.654693518	0.028267644	0.0307257	0.32561	2.771946	300.2658
Existing ATCM	2027	trailgc	SC	truoos	GE23LT25	39580.1912	2201	1.357672697	0.061894492	0.067276621	0.202215	1.82907	217.5878
Existing ATCM	2027	trailgc	SC	truoos	GE25	10412.4343	2201	0.345120815	0.005139255	0.005586147	0.065951	0.574237	64.51604
Existing ATCM	2027	truck	SC	truca	LT23	2658.0756	1360	0.373121004	0.017167184	0.018659982	0.053013	0.489013	59.79113
Existing ATCM	2027	truck	SC	truoos	LT23	13.2030849	1360	0.000206055	8.96772E-06	9.74752E-06	4.48E-05	0.000353	0.032991

Total TRU Hours (Annual)	149,194,873												
Total PM10 Emissions (tons/year)	66.78						Emission Rate (tons/year)	1820.352673	61.43919121	66.78172958	305.7887	2694.045	308254.5
Emission Rate (tons/hour)	4.48E-07						Emission Rate (tons/hour)	1.22E-05	4.12E-07	4.48E-07	2.05E-06	1.81E-05	2.07E-03
Emission Rate (lbs/hr)	**0.0009**						Emission Rate (lbs/hr)	**0.0244**	**0.0008**	**0.0009**	**0.0041**	**0.0361**	**4.1322**

Units
All population is one TRU unit
All activity is in hours per year of run time
All emissions are in standard tons per day
All fuel consumption is gallons per year

Appendix B

Carcinogenic and Non-Carcinogenic Risk Calculations

HARP2 - HRACalc (dated 22118) 2/4/2025 4:58:24 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\Option1CancerRisk.csv
Cancer risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\Option1CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\Option1NCChronicRisk.csv
Chronic risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\Option1NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\Option1NCAcuteRisk.csv
Acute risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\Option1NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 2/4/2025 5:01:31 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\Option2CancerRisk.csv
Cancer risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\Option2CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\Option2NCChronicRisk.csv
Chronic risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\Option2NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\Option2NCAcuteRisk.csv
Acute risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\Option2NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 2/5/2025 5:35:28 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Population
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 70

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 0
16 to 70 Years Bin: 54

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\BurdenCancerRisk.csv
Cancer risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\BurdenCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\BurdenNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\BurdenNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\BurdenNCAcuteRisk.csv
Acute risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 Airport - Option 1\hra\BurdenNCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 2/5/2025 5:57:44 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Population
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 70

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 0
16 to 70 Years Bin: 54

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\BurdenCancerRisk.csv
Cancer risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\BurdenCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\BurdenNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\BurdenNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\BurdenNCAcuteRisk.csv
Acute risk total by receptor saved to: C:\HARP2\Projects\9000 Airport (AERMOD 13)\9000 AIRPORT - OPTION 2\hra\BurdenNCAcuteRiskSumByRec.csv
HRA ran successfully

9000 Airport

Cancer Burden Calculations

Option 1

Residential Exposure Parameters: 70-year exposure duration, 3rd trimester start age

	X (m)	Y (m)
Center Point of 1 in 1 million contour	372,048	3,757,930
Distance from Center point (m)	500	

HARP 2010 Census Database

Census Tract	Block No	X (m)	Y (m)	Elevation	Population
277200	1000	372,234	3,758,044	0	479
277200	1001	371,976	3,758,102	0	0
277200	1002	372,050	3,758,346	0	611
277200	1003	372,189	3,758,329	0	621
277200	1004	372,295	3,758,263	0	424
277200	1005	372,292	3,757,972	0	145
277200	2004	372,024	3,757,540	0	0
278001	1000	371,935	3,758,351	0	87
278001	1012	371,869	3,758,377	0	89
278001	1013	371,823	3,758,238	0	74
980028	1000	371,667	3,757,987	0	0
980028	1040	371,766	3,757,572	0	3
Total					**2533**

Maximum Cancer Risk	6.80E-06
Cancer Burden	**0.02**

Option 2

Residential Exposure Parameters: 70-year exposure duration, 3rd trimester start age

	X (m)	Y (m)
Center Point of 1 in 1 million contour	372,048	3,757,930
Distance from Center point (m)	600	

HARP 2010 Census Database

Census Tract	Block No	X (m)	Y (m)	Elevation	Population
277200	1000	372,234	3,758,044	0	479
277200	1001	371,976	3,758,102	0	0
277200	1002	372,050	3,758,346	0	611
277200	1003	372,189	3,758,329	0	621
277200	1004	372,295	3,758,263	0	424
277200	1005	372,292	3,757,972	0	145

277200	2003	372,352	3,757,496	0	153
277200	2004	372,024	3,757,540	0	0
278001	1000	371,935	3,758,351	0	87
278001	1009	371,556	3,758,342	0	85
278001	1010	371,617	3,758,392	0	82
278001	1011	371,727	3,758,434	0	102
278001	1012	371,869	3,758,377	0	89
278001	1013	371,823	3,758,238	0	74
980028	1000	371,667	3,757,987	0	0
980028	1040	371,766	3,757,572	0	3
980028	1041	371,871	3,757,376	0	0
Total					**2955**

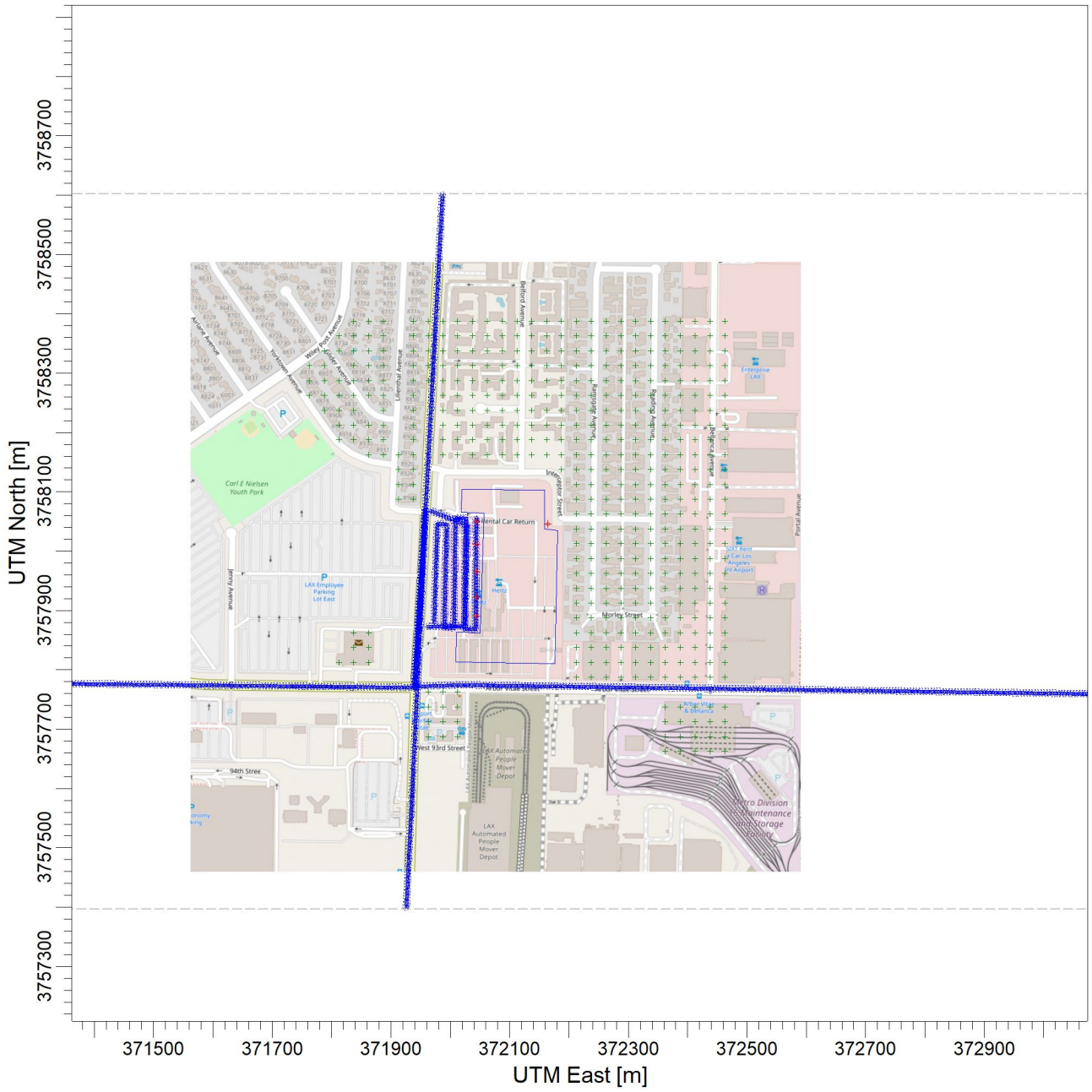
Maximum Cancer Risk	1.00E-05
Cancer Burden	**0.03**

Appendix C

AERMOD Source Receptor Configuration and Output File

PROJECT TITLE:

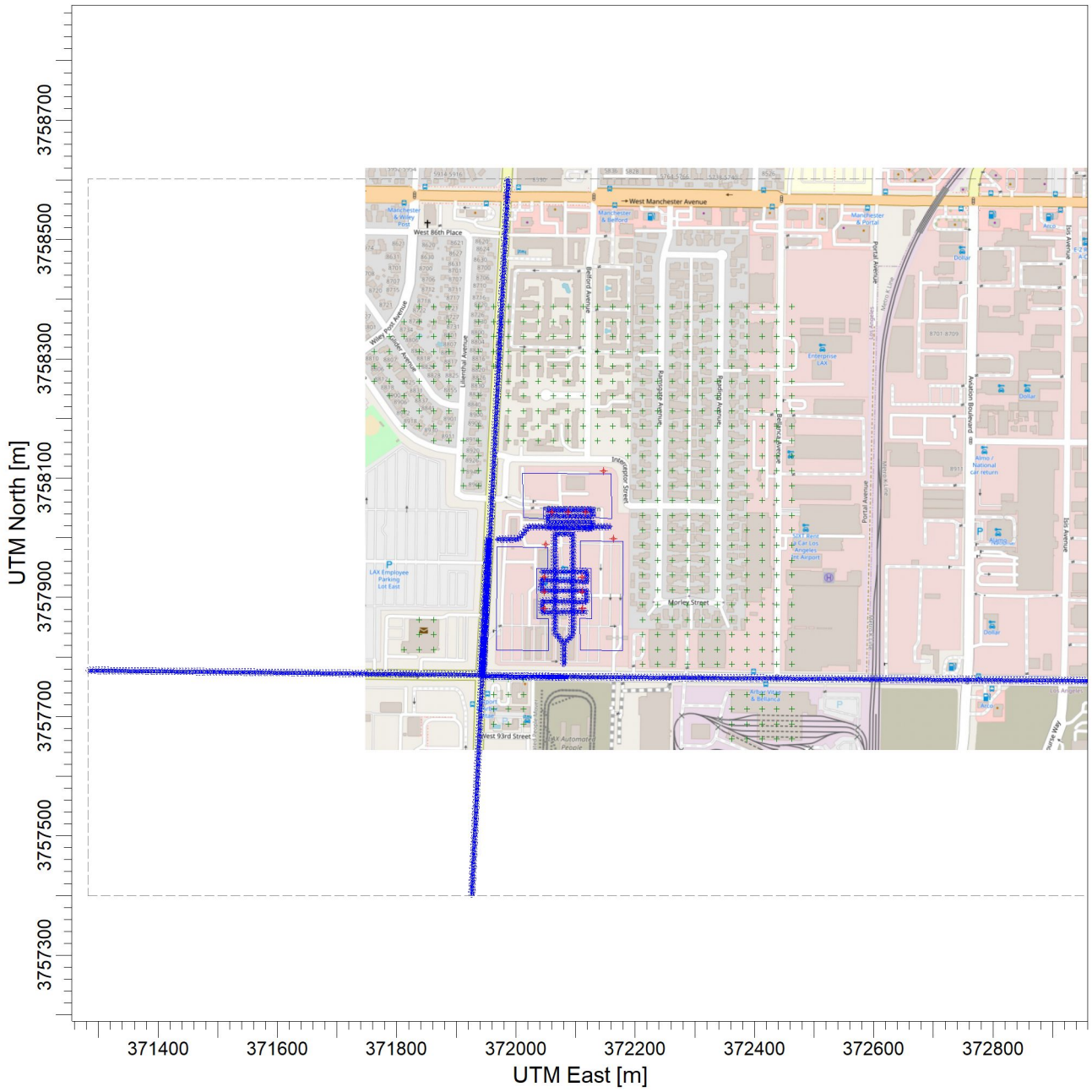
9000 Airport



COMMENTS: 9000 Airport HRA Source Receptor Configuration - Option 1	SOURCES: **12**	COMPANY NAME:	
	RECEPTORS: **470**	MODELER:	
		SCALE: 1:10,769 0 0.4 km	
		DATE: **2/21/2025**	PROJECT NO.:

PROJECT TITLE:

9000 Airport



COMMENTS: 9000 Airport HRA Source Receptor Configuration - Option 2	SOURCES: **20**	COMPANY NAME:	
	RECEPTORS: **470**	MODELER:	
		SCALE: 1:10,716 0 0.4 km	
		DATE: **2/21/2025**	PROJECT NO.:

```
** Lakes Environmental AERMOD MPI
**
**********************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 13.0.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 1/29/2025
** FILE: C:\AERMOD\AERMOD 13\9000 AIRPORT (OPTION 1)\9000
AIRPORT (OPTION 1).ADI
**
**********************************************
**
**
**********************************************
** AERMOD CONTROL PATHWAY
**********************************************
**
**
CO STARTING
   TITLEONE C:\USERS\M.MCPHERSON\DESKTOP\9000
AIRPORT\9000 AIRPORT.ISC
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 9663345 LOS_ANGELES_COUNTY
   POLLUTID SCALER
   RUNORNOT RUN
   ERRORFIL "9000 AIRPORT (OPTION 1).ERR"
CO FINISHED
**
**********************************************
** AERMOD SOURCE PATHWAY
**********************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** ------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = W_TRAVEL
** DESCRSRC WEST BUILDING - TRUCK TRAVEL
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
** SZINIT = 1.16
** NODES = 4
** 371967.416, 3758067.698, 32.37, 3.66, 2.33
** 372029.129, 3758043.270, 32.90, 3.66, 2.33
** 372024.415, 3757873.560, 32.78, 3.66, 2.33
** 371962.702, 3757872.702, 31.75, 3.66, 2.33
** ------------------------------------------------------------------
   LOCATION L0000001    VOLUME   371969.740 3758066.778 32.40
   LOCATION L0000002    VOLUME   371974.389 3758064.938 32.43
   LOCATION L0000003    VOLUME   371979.038 3758063.098 32.49
   LOCATION L0000004    VOLUME   371983.687 3758061.257 32.56
   LOCATION L0000005    VOLUME   371988.336 3758059.417 32.65
   LOCATION L0000006    VOLUME   371992.985 3758057.577 32.73
   LOCATION L0000007    VOLUME   371997.635 3758055.737 32.81
   LOCATION L0000008    VOLUME   372002.284 3758053.896 32.86
   LOCATION L0000009    VOLUME   372006.933 3758052.056 32.91
   LOCATION L0000010    VOLUME   372011.582 3758050.216 32.94
   LOCATION L0000011    VOLUME   372016.231 3758048.376 32.95
   LOCATION L0000012    VOLUME   372020.880 3758046.535 32.95
   LOCATION L0000013    VOLUME   372025.529 3758044.695 32.93
   LOCATION L0000014    VOLUME   372029.097 3758042.142 32.90
   LOCATION L0000015    VOLUME   372028.959 3758037.144 32.87
   LOCATION L0000016    VOLUME   372028.820 3758032.146 32.84
   LOCATION L0000017    VOLUME   372028.681 3758027.148 32.81
   LOCATION L0000018    VOLUME   372028.542 3758022.150 32.78
   LOCATION L0000019    VOLUME   372028.403 3758017.152 32.75
   LOCATION L0000020    VOLUME   372028.264 3758012.154 32.74
   LOCATION L0000021    VOLUME   372028.126 3758007.156 32.74
   LOCATION L0000022    VOLUME   372027.987 3758002.158 32.75
   LOCATION L0000023    VOLUME   372027.848 3757997.160 32.75
   LOCATION L0000024    VOLUME   372027.709 3757992.162 32.76
   LOCATION L0000025    VOLUME   372027.570 3757987.164 32.76
   LOCATION L0000026    VOLUME   372027.431 3757982.165 32.76
   LOCATION L0000027    VOLUME   372027.293 3757977.167 32.74
   LOCATION L0000028    VOLUME   372027.154 3757972.169 32.73
   LOCATION L0000029    VOLUME   372027.015 3757967.171 32.71
   LOCATION L0000030    VOLUME   372026.876 3757962.173 32.69
   LOCATION L0000031    VOLUME   372026.737 3757957.175 32.68
   LOCATION L0000032    VOLUME   372026.598 3757952.177 32.67
   LOCATION L0000033    VOLUME   372026.460 3757947.179 32.68
   LOCATION L0000034    VOLUME   372026.321 3757942.181 32.70
   LOCATION L0000035    VOLUME   372026.182 3757937.183 32.72
   LOCATION L0000036    VOLUME   372026.043 3757932.185 32.73
   LOCATION L0000037    VOLUME   372025.904 3757927.187 32.75
   LOCATION L0000038    VOLUME   372025.765 3757922.189 32.76
   LOCATION L0000039    VOLUME   372025.627 3757917.191 32.76
   LOCATION L0000040    VOLUME   372025.488 3757912.192 32.76
   LOCATION L0000041    VOLUME   372025.349 3757907.194 32.76
   LOCATION L0000042    VOLUME   372025.210 3757902.196 32.76
   LOCATION L0000043    VOLUME   372025.071 3757897.198 32.76
   LOCATION L0000044    VOLUME   372024.932 3757892.200 32.76
   LOCATION L0000045    VOLUME   372024.794 3757887.202 32.78
   LOCATION L0000046    VOLUME   372024.655 3757882.204 32.79
   LOCATION L0000047    VOLUME   372024.516 3757877.206 32.81
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** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
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SOURCES
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** PREFIX
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** CONFIGURATION = ADJACENT
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32.890
** DESCRSRC TRUCK IDLING 1
  LOCATION IDLE2      POINT     372044.000  3758011.732
32.790
** DESCRSRC TRUCK IDLING 2
  LOCATION IDLE3      POINT     372044.000  3757965.115
32.780
** DESCRSRC TRUCK IDLING 3
  LOCATION IDLE4      POINT     372044.000  3757922.937
32.780
** DESCRSRC TRUCK IDLING 4
  LOCATION IDLE5      POINT     372044.000  3757890.381
32.980
** DESCRSRC TRUCK IDLING 5
  LOCATION EGEN1      POINT     372164.370  3758045.550
32.460
** DESCRSRC EMERGENCY GENERATOR 1
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = W_OFF
** DESCRSRC WEST - OFFSITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
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** END OF LINE VOLUME SOURCE ID = W_OFF
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = S_OFF
** DESCRSRC SOUTH - OFFSITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
** SZINIT = 1.16
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   SRCPARAM L0000224  0.0051546392  3.66  2.33  1.16
   SRCPARAM L0000225  0.0051546392  3.66  2.33  1.16
   SRCPARAM L0000226  0.0051546392  3.66  2.33  1.16
   SRCPARAM L0000227  0.0051546392  3.66  2.33  1.16
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   SRCPARAM L0000250  0.0051546392  3.66  2.33  1.16
   SRCPARAM L0000251  0.0051546392  3.66  2.33  1.16
   SRCPARAM L0000252  0.0051546392  3.66  2.33  1.16
   SRCPARAM L0000253  0.0051546392  3.66  2.33  1.16
   SRCPARAM L0000254  0.0051546392  3.66  2.33  1.16
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** LINE VOLUME SOURCE ID = N_OFF
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   SRCPARAM L0000258  0.0068027211  3.66  2.33  1.16
   SRCPARAM L0000259  0.0068027211  3.66  2.33  1.16
   SRCPARAM L0000260  0.0068027211  3.66  2.33  1.16
   SRCPARAM L0000261  0.0068027211  3.66  2.33  1.16
   SRCPARAM L0000262  0.0068027211  3.66  2.33  1.16
   SRCPARAM L0000263  0.0068027211  3.66  2.33  1.16
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   SRCPARAM L0000265  0.0068027211  3.66  2.33  1.16
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   SRCPARAM L0000303  0.0068027211  3.66  2.33  1.16
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   SRCPARAM L0000401  0.0068027211  3.66  2.33  1.16
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** LINE VOLUME SOURCE ID = E_OFF
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   SRCPARAM L0000850  0.0034246575  3.66  2.33  1.16
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   SRCPARAM L0000864  0.0034246575  3.66  2.33  1.16
   SRCPARAM L0000865  0.0034246575  3.66  2.33  1.16
   SRCPARAM L0000866  0.0034246575  3.66  2.33  1.16
   SRCPARAM L0000867  0.0034246575  3.66  2.33  1.16
   SRCPARAM L0000868  0.0034246575  3.66  2.33  1.16
   SRCPARAM L0000869  0.0034246575  3.66  2.33  1.16
   SRCPARAM L0000870  0.0034246575  3.66  2.33  1.16
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SRCPARAM L0000931	0.0034246575	3.66	2.33	1.16
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SRCPARAM L0000938	0.0034246575	3.66	2.33	1.16
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SRCPARAM L0000940	0.0034246575	3.66	2.33	1.16
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L0001413 L0001414
  SRCGROUP W_OFF    L0001415 L0001416 L0001417 L0001418
L0001419 L0001420
  SRCGROUP W_OFF    L0001421 L0001422 L0001423 L0001424
L0001425 L0001426
  SRCGROUP W_OFF    L0001427 L0001428 L0001429 L0001430
L0001431 L0001432
  SRCGROUP W_OFF    L0001433 L0001434 L0001435 L0001436
L0001437 L0001438
  SRCGROUP W_OFF    L0001439 L0001440 L0001441 L0001442
L0001443 L0001444
  SRCGROUP W_OFF    L0001445 L0001446 L0001447 L0001448
L0001449 L0001450
  SRCGROUP W_OFF    L0001451 L0001452 L0001453 L0001454
L0001455 L0001456
  SRCGROUP W_OFF    L0001457 L0001458 L0001459 L0001460
L0001461 L0001462
  SRCGROUP W_OFF    L0001463 L0001464 L0001465 L0001466
L0001467 L0001468
  SRCGROUP W_OFF    L0001469 L0001470 L0001471 L0001472
L0001473 L0001474
  SRCGROUP W_OFF    L0001475 L0001476 L0001477 L0001478
L0001479 L0001480
  SRCGROUP W_OFF    L0001481 L0001482 L0001483 L0001484
L0001485 L0001486
  SRCGROUP W_OFF    L0001487 L0001488 L0001489 L0001490
L0001491 L0001492
  SRCGROUP W_OFF    L0001493 L0001494 L0001495 L0001496
L0001497 L0001498
  SRCGROUP W_OFF    L0001499 L0001500 L0001501 L0001502
L0001503 L0001504
  SRCGROUP W_OFF    L0001505 L0001506 L0001507 L0001508
L0001509 L0001510
  SRCGROUP W_OFF    L0001511 L0001512 L0001513 L0001514
L0001515 L0001516
  SRCGROUP W_OFF    L0001517 L0001518 L0001519 L0001520
L0001521
  SRCGROUP W_ONSITE L0000061 L0000062 L0000063 L0000064
L0000065 L0000066
  SRCGROUP W_ONSITE L0000067 L0000068 L0000069 L0000070
L0000071 L0000072
  SRCGROUP W_ONSITE L0000073 L0000074 L0000075 L0000076
L0000077 L0000078
  SRCGROUP W_ONSITE L0000079 L0000080 L0000081 L0000082
L0000083 L0000084
  SRCGROUP W_ONSITE L0000085 L0000086 L0000087 L0000088
L0000089 L0000090
  SRCGROUP W_ONSITE L0000091 L0000092 L0000093 L0000094
L0000095 L0000096
  SRCGROUP W_ONSITE L0000097 L0000098 L0000099 L0000100
L0000101 L0000102
  SRCGROUP W_ONSITE L0000103 L0000104 L0000105 L0000106
L0000107 L0000108
  SRCGROUP W_ONSITE L0000109 L0000110 L0000111 L0000112
L0000113 L0000114
  SRCGROUP W_ONSITE L0000115 L0000116 L0000117 L0000118
L0000119 L0000120
  SRCGROUP W_ONSITE L0000121 L0000122 L0000123 L0000124
L0000125 L0000126
  SRCGROUP W_ONSITE L0000127 L0000128 L0000129 L0000130
L0000131 L0000132
```

```
  SRCGROUP W_ONSITE L0000133 L0000134 L0000135 L0000136
L0000137 L0000138
  SRCGROUP W_ONSITE L0000139 L0000140 L0000141 L0000142
L0000143 L0000144
  SRCGROUP W_ONSITE L0000145 L0000146 L0000147 L0000148
L0000149 L0000150
  SRCGROUP W_ONSITE L0000151 L0000152 L0000153 L0000154
L0000155 L0000156
  SRCGROUP W_ONSITE L0000157 L0000158 L0000159 L0000160
L0000161 L0000162
  SRCGROUP W_ONSITE L0000163 L0000164 L0000165 L0000166
L0000167 L0000168
  SRCGROUP W_ONSITE L0000169 L0000170 L0000171 L0000172
L0000173 L0000174
  SRCGROUP W_ONSITE L0000175 L0000176 L0000177 L0000178
L0000179 L0000180
  SRCGROUP W_ONSITE L0000181 L0000182 L0000183 L0000184
L0000185 L0000186
  SRCGROUP W_ONSITE L0000187 L0000188 L0000189 L0000190
L0000191 L0000192
  SRCGROUP W_ONSITE L0000193 L0000194 L0000195 L0000196
L0000197 L0000198
  SRCGROUP W_ONSITE L0000199 L0000200 L0000201 L0000202
L0000203 L0000204
  SRCGROUP W_ONSITE L0000205 L0000206 L0000207 L0000208
L0000209 L0000210
  SRCGROUP W_ONSITE L0000211 L0000212 L0000213 L0000214
L0000215 L0000216
  SRCGROUP W_ONSITE L0000217 L0000218 L0000219 L0000220
L0000221 L0000222
  SRCGROUP W_ONSITE L0000223 L0000224 L0000225 L0000226
L0000227 L0000228
  SRCGROUP W_ONSITE L0000229 L0000230 L0000231 L0000232
L0000233 L0000234
  SRCGROUP W_ONSITE L0000235 L0000236 L0000237 L0000238
L0000239 L0000240
  SRCGROUP W_ONSITE L0000241 L0000242 L0000243 L0000244
L0000245 L0000246
  SRCGROUP W_ONSITE L0000247 L0000248 L0000249 L0000250
L0000251 L0000252
  SRCGROUP W_ONSITE L0000253 L0000254
  SRCGROUP W_TRAVEL L0000001 L0000002 L0000003 L0000004
L0000005 L0000006
  SRCGROUP W_TRAVEL L0000007 L0000008 L0000009 L0000010
L0000011 L0000012
  SRCGROUP W_TRAVEL L0000013 L0000014 L0000015 L0000016
L0000017 L0000018
  SRCGROUP W_TRAVEL L0000019 L0000020 L0000021 L0000022
L0000023 L0000024
  SRCGROUP W_TRAVEL L0000025 L0000026 L0000027 L0000028
L0000029 L0000030
  SRCGROUP W_TRAVEL L0000031 L0000032 L0000033 L0000034
L0000035 L0000036
  SRCGROUP W_TRAVEL L0000037 L0000038 L0000039 L0000040
L0000041 L0000042
  SRCGROUP W_TRAVEL L0000043 L0000044 L0000045 L0000046
L0000047 L0000048
  SRCGROUP W_TRAVEL L0000049 L0000050 L0000051 L0000052
L0000053 L0000054
  SRCGROUP W_TRAVEL L0000055 L0000056 L0000057 L0000058
L0000059 L0000060
SO FINISHED
**
****************************************
** AERMOD RECEPTOR PATHWAY
****************************************
**
**
RE STARTING
  INCLUDED "9000 AIRPORT (OPTION 1).ROU"
RE FINISHED
**
****************************************
** AERMOD METEOROLOGY PATHWAY
****************************************
**
**
ME STARTING
  SURFFILE KLAX_SFC_PFL\KLAX_V11_TRIMMED.SFC
  PROFFILE KLAX_SFC_PFL\KLAX_V11_TRIMMED.PFL
  SURFDATA 23174 2019 LOS_ANGELES/INT'L_ARPT
  UAIRDATA 3190 2019
  PROFBASE 30.0 METERS
ME FINISHED
**
****************************************
** AERMOD OUTPUT PATHWAY
****************************************
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** AUTO-GENERATED PLOTFILES
  PLOTFILE   1 EGEN1 1ST "9000 AIRPORT (OPTION
1).AD\01H1G001.PLT" 31
  PLOTFILE   1 E_OFF 1ST "9000 AIRPORT (OPTION
1).AD\01H1G002.PLT" 32
  PLOTFILE   1 IDLE1 1ST "9000 AIRPORT (OPTION
1).AD\01H1G003.PLT" 33
  PLOTFILE   1 IDLE2 1ST "9000 AIRPORT (OPTION
1).AD\01H1G004.PLT" 34
  PLOTFILE   1 IDLE3 1ST "9000 AIRPORT (OPTION
1).AD\01H1G005.PLT" 35
  PLOTFILE   1 IDLE4 1ST "9000 AIRPORT (OPTION
1).AD\01H1G006.PLT" 36
  PLOTFILE   1 IDLE5 1ST "9000 AIRPORT (OPTION
1).AD\01H1G007.PLT" 37
  PLOTFILE   1 N_OFF 1ST "9000 AIRPORT (OPTION
1).AD\01H1G008.PLT" 38
  PLOTFILE   1 S_OFF 1ST "9000 AIRPORT (OPTION
1).AD\01H1G009.PLT" 39
  PLOTFILE   1 W_OFF 1ST "9000 AIRPORT (OPTION
1).AD\01H1G010.PLT" 40
  PLOTFILE   1 W_ONSITE 1ST "9000 AIRPORT (OPTION
1).AD\01H1G011.PLT" 41
  PLOTFILE   1 W_TRAVEL 1ST "9000 AIRPORT (OPTION
1).AD\01H1G012.PLT" 42
  PLOTFILE   PERIOD EGEN1 "9000 AIRPORT (OPTION
1).AD\PE00G001.PLT" 43
  PLOTFILE   PERIOD E_OFF "9000 AIRPORT (OPTION
1).AD\PE00G002.PLT" 44
  PLOTFILE   PERIOD IDLE1 "9000 AIRPORT (OPTION
1).AD\PE00G003.PLT" 45
  PLOTFILE   PERIOD IDLE2 "9000 AIRPORT (OPTION
1).AD\PE00G004.PLT" 46
  PLOTFILE   PERIOD IDLE3 "9000 AIRPORT (OPTION
1).AD\PE00G005.PLT" 47
  PLOTFILE   PERIOD IDLE4 "9000 AIRPORT (OPTION
1).AD\PE00G006.PLT" 48
  PLOTFILE   PERIOD IDLE5 "9000 AIRPORT (OPTION
1).AD\PE00G007.PLT" 49
  PLOTFILE   PERIOD N_OFF "9000 AIRPORT (OPTION
1).AD\PE00G008.PLT" 50
  PLOTFILE   PERIOD S_OFF "9000 AIRPORT (OPTION
1).AD\PE00G009.PLT" 51
  PLOTFILE   PERIOD W_OFF "9000 AIRPORT (OPTION
1).AD\PE00G010.PLT" 52
  PLOTFILE   PERIOD W_ONSITE "9000 AIRPORT (OPTION
1).AD\PE00G011.PLT" 53
```

```
   PLOTFILE   PERIOD W_TRAVEL "9000 AIRPORT (OPTION
1).AD\PE00G012.PLT" 54
   SUMMFILE "9000 AIRPORT (OPTION 1).SUM"
OU FINISHED


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

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

 A Total of           0 Fatal Error Message(s)
 A Total of           3 Warning Message(s)
 A Total of           0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 SO W320    1883       PPARM: Input Parameter May Be Out-of-Range
for Parameter            VS
 ME W186    2415       MEOPEN: THRESH_1MIN 1-min ASOS wind
speed threshold used           0.50
 ME W187    2415       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

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

```
 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT\9000
AIRPORT.ISC           ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       22:40:32

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

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

 ** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE  =  F
     * Model Uses NO WET DEPLETION. WETDPLT  =  F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for  1025
Source(s),
       for Total of    1 Urban Area(s):
   Urban Population =   9663345.0 ;  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 Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: SCALER

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

 **This Run Includes:   1025 Source(s);      12 Source Group(s); and
470 Receptor(s)

             with:     6 POINT(s), including
                       0 POINTCAP(s) and      0 POINTHOR(s)
              and:   1019 VOLUME source(s)
              and:     0 AREA type source(s)
              and:     0 LINE source(s)
              and:     0 RLINE/RLINEXT source(s)
              and:     0 OPENPIT source(s)
              and:     0 BUOYANT LINE source(s) with a total of     0 line(s)
              and:     0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  22112

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    30.00 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
             Emission Units = GRAMS/SEC                         ;
Emission Rate Unit Factor =   0.10000E+07
             Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.3 MB of RAM.

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

 **Detailed Error/Message File:   9000 AIRPORT (OPTION 1).ERR
 **File for Summary of Results:   9000 AIRPORT (OPTION 1).SUM
```

```
 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT\9000
AIRPORT.ISC           ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       22:40:32

PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                *** POINT SOURCE DATA ***

            NUMBER EMISSION RATE                  BASE     STACK
STACK    STACK     STACK    BLDG   URBAN  CAP/  EMIS RATE
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.    HEIGHT
TEMP.   EXIT VEL. DIAMETER  EXISTS SOURCE HOR   SCALAR
    ID         CATS.              (METERS) (METERS) (METERS) (METERS)
(DEG.K)  (M/SEC)  (METERS)                  VARY BY
 ----------------------------------------------------------
------------

 IDLE1           0   0.10000E+01  372044.0 3758049.8    32.9     3.66
477.59    46.57     0.15    NO     YES   NO
 IDLE2           0   0.10000E+01  372044.0 3758011.7    32.8     3.66
477.59    46.57     0.15    NO     YES   NO
 IDLE3           0   0.10000E+01  372044.0 3757965.1    32.8     3.66
477.59    46.57     0.15    NO     YES   NO
 IDLE4           0   0.10000E+01  372044.0 3757922.9    32.8     3.66
477.59    46.57     0.15    NO     YES   NO
 IDLE5           0   0.10000E+01  372044.0 3757890.4    33.0     3.66
477.59    46.57     0.15    NO     YES   NO
 EGEN1           0   0.10000E+01  372164.4 3758045.5    32.5     2.44
752.59   102.05     0.10    NO     YES   NO
```

```
 *** AERMOD - VERSION 24142  ***  ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT\9000
AIRPORT.ISC          ***       01/29/25
 *** AERMET - VERSION  22112 ***  ***
***       22:40:32

PAGE  3
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - -

 L0000001       0  0.16667E-01  371969.7 3758066.8    32.4     3.66
2.33     1.16    YES                NO
 L0000002       0  0.16667E-01  371974.4 3758064.9    32.4     3.66
2.33     1.16    YES                NO
 L0000003       0  0.16667E-01  371979.0 3758063.1    32.5     3.66
2.33     1.16    YES                NO
 L0000004       0  0.16667E-01  371983.7 3758061.3    32.6     3.66
2.33     1.16    YES                NO
 L0000005       0  0.16667E-01  371988.3 3758059.4    32.6     3.66
2.33     1.16    YES                NO
 L0000006       0  0.16667E-01  371993.0 3758057.6    32.7     3.66
2.33     1.16    YES                NO
 L0000007       0  0.16667E-01  371997.6 3758055.7    32.8     3.66
2.33     1.16    YES                NO
 L0000008       0  0.16667E-01  372002.3 3758053.9    32.9     3.66
2.33     1.16    YES                NO
 L0000009       0  0.16667E-01  372006.9 3758052.1    32.9     3.66
2.33     1.16    YES                NO
 L0000010       0  0.16667E-01  372011.6 3758050.2    32.9     3.66
2.33     1.16    YES                NO
 L0000011       0  0.16667E-01  372016.2 3758048.4    32.9     3.66
2.33     1.16    YES                NO
 L0000012       0  0.16667E-01  372020.9 3758046.5    32.9     3.66
2.33     1.16    YES                NO
 L0000013       0  0.16667E-01  372025.5 3758044.7    32.9     3.66
2.33     1.16    YES                NO
 L0000014       0  0.16667E-01  372029.1 3758042.1    32.9     3.66
2.33     1.16    YES                NO
 L0000015       0  0.16667E-01  372029.0 3758037.1    32.9     3.66
2.33     1.16    YES                NO
 L0000016       0  0.16667E-01  372028.8 3758032.1    32.8     3.66
2.33     1.16    YES                NO
 L0000017       0  0.16667E-01  372028.7 3758027.1    32.8     3.66
2.33     1.16    YES                NO
 L0000018       0  0.16667E-01  372028.5 3758022.1    32.8     3.66
2.33     1.16    YES                NO
 L0000019       0  0.16667E-01  372028.4 3758017.2    32.8     3.66
2.33     1.16    YES                NO
 L0000020       0  0.16667E-01  372028.3 3758012.2    32.7     3.66
2.33     1.16    YES                NO
 L0000021       0  0.16667E-01  372028.1 3758007.2    32.7     3.66
2.33     1.16    YES                NO
 L0000022       0  0.16667E-01  372028.0 3758002.2    32.8     3.66
2.33     1.16    YES                NO
 L0000023       0  0.16667E-01  372027.8 3757997.2    32.8     3.66
2.33     1.16    YES                NO
 L0000024       0  0.16667E-01  372027.7 3757992.2    32.8     3.66
2.33     1.16    YES                NO
 L0000025       0  0.16667E-01  372027.6 3757987.2    32.8     3.66
2.33     1.16    YES                NO
 L0000026       0  0.16667E-01  372027.4 3757982.2    32.8     3.66
2.33     1.16    YES                NO
 L0000027       0  0.16667E-01  372027.3 3757977.2    32.7     3.66
2.33     1.16    YES                NO
 L0000028       0  0.16667E-01  372027.2 3757972.2    32.7     3.66
2.33     1.16    YES                NO
 L0000029       0  0.16667E-01  372027.0 3757967.2    32.7     3.66
2.33     1.16    YES                NO
 L0000030       0  0.16667E-01  372026.9 3757962.2    32.7     3.66
2.33     1.16    YES                NO
 L0000031       0  0.16667E-01  372026.7 3757957.2    32.7     3.66
2.33     1.16    YES                NO
 L0000032       0  0.16667E-01  372026.6 3757952.2    32.7     3.66
2.33     1.16    YES                NO
 L0000033       0  0.16667E-01  372026.5 3757947.2    32.7     3.66
2.33     1.16    YES                NO
 L0000034       0  0.16667E-01  372026.3 3757942.2    32.7     3.66
2.33     1.16    YES                NO
 L0000035       0  0.16667E-01  372026.2 3757937.2    32.7     3.66
2.33     1.16    YES                NO
 L0000036       0  0.16667E-01  372026.0 3757932.2    32.7     3.66
2.33     1.16    YES                NO
 L0000037       0  0.16667E-01  372025.9 3757927.2    32.8     3.66
2.33     1.16    YES                NO
 L0000038       0  0.16667E-01  372025.8 3757922.2    32.8     3.66
2.33     1.16    YES                NO
 L0000039       0  0.16667E-01  372025.6 3757917.2    32.8     3.66
2.33     1.16    YES                NO
 L0000040       0  0.16667E-01  372025.5 3757912.2    32.8     3.66
2.33     1.16    YES                NO
```

```
 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT\9000
AIRPORT.ISC            ***        01/29/25
 *** AERMET - VERSION  22112 ***   ***
***        22:40:32

      372362.50   3758362.50      32.07755  (19101819)
372387.50   3758362.50      30.68122  (19092421)
      372412.50   3758362.50      29.34844  (21020820)
372437.50   3758362.50      28.08751  (20020220)
      372462.50   3758362.50      27.07619  (20020220)
371837.50   3758387.50      40.45019  (22021006)
      371862.50   3758387.50      42.97110  (20022820)
371887.50   3758387.50      44.68296  (21012018)
      371937.50   3758387.50      46.01418  (20022921)
371962.50   3758387.50      46.42938  (23121807)
      371987.50   3758387.50      47.68010  (19120720)
372012.50   3758387.50      47.89955  (19120616)
      372037.50   3758387.50      55.88722  (19120616)
372062.50   3758387.50      54.86360  (19120616)
      372087.50   3758387.50      46.12724  (22120119)
372112.50   3758387.50      44.77219  (23020422)
      372137.50   3758387.50      43.43679  (20021003)
372162.50   3758387.50      42.22721  (20010121)
      372187.50   3758387.50      40.87541  (23123118)
372212.50   3758387.50      39.14715  (23012819)
      372237.50   3758387.50      37.59402  (19092722)
372262.50   3758387.50      36.60161  (19092722)
      372287.50   3758387.50      35.31866  (23122523)
372312.50   3758387.50      33.94971  (23122523)
      372337.50   3758387.50      32.55050  (19123019)
372362.50   3758387.50      31.16110  (19123019)
      372387.50   3758387.50      29.47119  (19101819)
372412.50   3758387.50      28.22851  (19092421)
      372437.50   3758387.50      27.07314  (21020820)
372462.50   3758387.50      25.92794  (20020220)
```

```
 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT\9000
AIRPORT.ISC          ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       22:40:32

PAGE 195
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE SUMMARY OF MAXIMUM PERIOD (
43824 HRS) RESULTS ***


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


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

EGEN1     1ST HIGHEST VALUE IS      51.82338 AT (  372212.50,
3758062.50,    31.87,    31.87,    0.00)  DC
        2ND HIGHEST VALUE IS      51.58064 AT (  372237.50,
3758062.50,    31.62,    31.62,    0.00)  DC
        3RD HIGHEST VALUE IS      42.83955 AT (  372262.50,
3758062.50,    31.66,    31.66,    0.00)  DC
        4TH HIGHEST VALUE IS      37.17815 AT (  372262.50,
3758087.50,    31.71,    31.71,    0.00)  DC
        5TH HIGHEST VALUE IS      34.32099 AT (  372287.50,
3758062.50,    31.64,    31.64,    0.00)  DC
        6TH HIGHEST VALUE IS      34.31886 AT (  372287.50,
3758087.50,    31.70,    31.70,    0.00)  DC
        7TH HIGHEST VALUE IS      33.83188 AT (  372237.50,
3758087.50,    31.72,    31.72,    0.00)  DC
        8TH HIGHEST VALUE IS      29.88221 AT (  372312.50,
3758087.50,    31.74,    31.74,    0.00)  DC
        9TH HIGHEST VALUE IS      27.78734 AT (  372312.50,
3758062.50,    31.67,    31.67,    0.00)  DC
       10TH HIGHEST VALUE IS      27.57771 AT (  372237.50,
3758037.50,    31.54,    31.54,    0.00)  DC

E_OFF     1ST HIGHEST VALUE IS      53.29067 AT (  372212.50,
3757787.50,    31.32,    31.32,    0.00)  DC
        2ND HIGHEST VALUE IS      53.03931 AT (  372237.50,
3757787.50,    31.51,    31.51,    0.00)  DC
        3RD HIGHEST VALUE IS      52.71833 AT (  372262.50,
3757787.50,    31.47,    31.47,    0.00)  DC
        4TH HIGHEST VALUE IS      52.26822 AT (  372287.50,
3757787.50,    31.16,    31.16,    0.00)  DC
        5TH HIGHEST VALUE IS      52.05292 AT (  372312.50,
3757787.50,    31.36,    31.36,    0.00)  DC
        6TH HIGHEST VALUE IS      51.71306 AT (  372337.50,
3757787.50,    31.42,    31.42,    0.00)  DC
        7TH HIGHEST VALUE IS      51.33626 AT (  372362.50,
3757787.50,    31.13,    40.23,    0.00)  DC
        8TH HIGHEST VALUE IS      50.94756 AT (  372387.50,
3757787.50,    31.01,    40.32,    0.00)  DC
        9TH HIGHEST VALUE IS      50.53812 AT (  372412.50,
3757787.50,    30.89,    40.32,    0.00)  DC
       10TH HIGHEST VALUE IS      50.06842 AT (  372437.50,
3757787.50,    30.76,    40.32,    0.00)  DC

IDLE1     1ST HIGHEST VALUE IS      30.28483 AT (  372212.50,
3758087.50,    32.07,    32.07,    0.00)  DC
        2ND HIGHEST VALUE IS      28.29000 AT (  372212.50,
3758112.50,    32.30,    32.30,    0.00)  DC
        3RD HIGHEST VALUE IS      26.16880 AT (  372212.50,
3758062.50,    31.87,    31.87,    0.00)  DC
        4TH HIGHEST VALUE IS      25.23115 AT (  372237.50,
3758087.50,    31.72,    31.72,    0.00)  DC
        5TH HIGHEST VALUE IS      24.75959 AT (  372237.50,
3758112.50,    31.82,    31.82,    0.00)  DC
        6TH HIGHEST VALUE IS      22.59310 AT (  372212.50,
3758137.50,    32.51,    32.51,    0.00)  DC
        7TH HIGHEST VALUE IS      22.35200 AT (  372187.50,
3758137.50,    32.46,    32.46,    0.00)  DC
        8TH HIGHEST VALUE IS      21.78169 AT (  372262.50,
3758112.50,    31.82,    31.82,    0.00)  DC
        9TH HIGHEST VALUE IS      21.67208 AT (  372237.50,
3758062.50,    31.62,    31.62,    0.00)  DC
       10TH HIGHEST VALUE IS      21.42279 AT (  372262.50,
3758087.50,    31.71,    31.71,    0.00)  DC

IDLE2     1ST HIGHEST VALUE IS      29.68778 AT (  372212.50,
3758062.50,    31.87,    31.87,    0.00)  DC
        2ND HIGHEST VALUE IS      28.95317 AT (  372212.50,
3758037.50,    31.75,    31.75,    0.00)  DC
        3RD HIGHEST VALUE IS      25.43775 AT (  372237.50,
3758062.50,    31.62,    31.62,    0.00)  DC
        4TH HIGHEST VALUE IS      25.30430 AT (  372212.50,
3758087.50,    32.07,    32.07,    0.00)  DC
        5TH HIGHEST VALUE IS      23.97699 AT (  372237.50,
3758037.50,    31.54,    31.54,    0.00)  DC
        6TH HIGHEST VALUE IS      23.11026 AT (  372237.50,
3758087.50,    31.72,    31.72,    0.00)  DC
        7TH HIGHEST VALUE IS      22.56359 AT (  372212.50,
3758012.50,    31.75,    31.75,    0.00)  DC
        8TH HIGHEST VALUE IS      21.96201 AT (  372262.50,
3758062.50,    31.66,    31.66,    0.00)  DC
        9TH HIGHEST VALUE IS      20.88462 AT (  372262.50,
3758087.50,    31.71,    31.71,    0.00)  DC
       10TH HIGHEST VALUE IS      20.35041 AT (  372262.50,
3758037.50,    31.72,    31.72,    0.00)  DC
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 *** AERMOD - VERSION 24142  ***  ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT\9000
AIRPORT.ISC          ***       01/29/25
 *** AERMET - VERSION  22112 ***  ***
***       22:40:32

PAGE 196
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE SUMMARY OF MAXIMUM PERIOD (
43824 HRS) RESULTS ***


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


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

IDLE3    1ST HIGHEST VALUE IS     29.85386 AT (  372212.50,
3758012.50,   31.75,   31.75,   0.00)  DC
       2ND HIGHEST VALUE IS     28.47240 AT (  372212.50,
3757987.50,   31.83,   31.83,   0.00)  DC
       3RD HIGHEST VALUE IS     25.81921 AT (  372212.50,
3758037.50,   31.75,   31.75,   0.00)  DC
       4TH HIGHEST VALUE IS     25.39989 AT (  372237.50,
3758012.50,   31.49,   31.49,   0.00)  DC
       5TH HIGHEST VALUE IS     23.47884 AT (  372237.50,
3758037.50,   31.54,   31.54,   0.00)  DC
       6TH HIGHEST VALUE IS     23.40683 AT (  372237.50,
3757987.50,   31.44,   31.44,   0.00)  DC
       7TH HIGHEST VALUE IS     22.01505 AT (  372262.50,
3758012.50,   31.83,   31.83,   0.00)  DC
       8TH HIGHEST VALUE IS     21.53462 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       9TH HIGHEST VALUE IS     21.18316 AT (  372262.50,
3758037.50,   31.72,   31.72,   0.00)  DC
      10TH HIGHEST VALUE IS     19.97685 AT (  372262.50,
3757987.50,   31.81,   31.81,   0.00)  DC

IDLE4    1ST HIGHEST VALUE IS     30.19996 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       2ND HIGHEST VALUE IS     27.56616 AT (  372212.50,
3757987.50,   31.83,   31.83,   0.00)  DC
       3RD HIGHEST VALUE IS     26.75567 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
       4TH HIGHEST VALUE IS     25.16775 AT (  372237.50,
3757962.50,   31.40,   31.40,   0.00)  DC
       5TH HIGHEST VALUE IS     24.36372 AT (  372237.50,
3757987.50,   31.44,   31.44,   0.00)  DC
       6TH HIGHEST VALUE IS     21.95100 AT (  372237.50,
3757937.50,   31.36,   31.36,   0.00)  DC
       7TH HIGHEST VALUE IS     21.75005 AT (  372262.50,
3757987.50,   31.81,   31.81,   0.00)  DC
       8TH HIGHEST VALUE IS     21.63539 AT (  372262.50,
3757962.50,   31.75,   31.75,   0.00)  DC
       9TH HIGHEST VALUE IS     21.60209 AT (  372212.50,
3758012.50,   31.75,   31.75,   0.00)  DC
      10TH HIGHEST VALUE IS     20.65540 AT (  372237.50,
3758012.50,   31.49,   31.49,   0.00)  DC

IDLE5    1ST HIGHEST VALUE IS     29.76443 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
       2ND HIGHEST VALUE IS     28.19182 AT (  372212.50,
3757912.50,   31.81,   31.81,   0.00)  DC
       3RD HIGHEST VALUE IS     25.78869 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       4TH HIGHEST VALUE IS     25.14246 AT (  372237.50,
3757937.50,   31.36,   31.36,   0.00)  DC
       5TH HIGHEST VALUE IS     23.27259 AT (  372237.50,
3757962.50,   31.40,   31.40,   0.00)  DC
       6TH HIGHEST VALUE IS     23.10583 AT (  372237.50,
3757912.50,   31.29,   31.29,   0.00)  DC
       7TH HIGHEST VALUE IS     21.82295 AT (  372262.50,
3757937.50,   31.72,   31.72,   0.00)  DC
       8TH HIGHEST VALUE IS     21.16639 AT (  372212.50,
3757887.50,   31.71,   31.71,   0.00)  DC
       9TH HIGHEST VALUE IS     21.10739 AT (  372262.50,
3757962.50,   31.75,   31.75,   0.00)  DC
      10TH HIGHEST VALUE IS     19.69625 AT (  372262.50,
3757912.50,   31.57,   31.57,   0.00)  DC

N_OFF    1ST HIGHEST VALUE IS     71.19502 AT (  371987.50,
3758287.50,   33.43,   33.43,   0.00)  DC
       2ND HIGHEST VALUE IS     70.97901 AT (  371987.50,
3758262.50,   33.37,   33.37,   0.00)  DC
       3RD HIGHEST VALUE IS     70.59462 AT (  371987.50,
3758237.50,   33.44,   33.44,   0.00)  DC
       4TH HIGHEST VALUE IS     69.95215 AT (  371987.50,
3758212.50,   33.37,   33.37,   0.00)  DC
       5TH HIGHEST VALUE IS     69.13905 AT (  371987.50,
3758187.50,   33.32,   33.32,   0.00)  DC
       6TH HIGHEST VALUE IS     69.13180 AT (  371987.50,
3758312.50,   32.64,   32.64,   0.00)  DC
       7TH HIGHEST VALUE IS     68.20256 AT (  371987.50,
3758162.50,   33.11,   33.11,   0.00)  DC
       8TH HIGHEST VALUE IS     66.48574 AT (  371987.50,
3758387.50,   32.80,   32.80,   0.00)  DC
       9TH HIGHEST VALUE IS     66.33060 AT (  371987.50,
3758362.50,   32.51,   32.51,   0.00)  DC
      10TH HIGHEST VALUE IS     65.99382 AT (  371987.50,
3758337.50,   32.29,   32.29,   0.00)  DC
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 *** AERMOD - VERSION 24142  ***  ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT\9000
AIRPORT.ISC          ***       01/29/25
 *** AERMET - VERSION  22112 ***  ***
***       22:40:32

PAGE 197
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE SUMMARY OF MAXIMUM PERIOD (
43824 HRS) RESULTS ***


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


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

S_OFF    1ST HIGHEST VALUE IS     76.54838 AT (  371962.50,
3757762.50,   31.38,   31.38,   0.00)  DC
       2ND HIGHEST VALUE IS     76.35699 AT (  371962.50,
3757737.50,   31.54,   31.54,   0.00)  DC
       3RD HIGHEST VALUE IS     75.84562 AT (  371962.50,
3757712.50,   31.57,   31.57,   0.00)  DC
       4TH HIGHEST VALUE IS     75.11245 AT (  371962.50,
3757687.50,   31.37,   31.37,   0.00)  DC
       5TH HIGHEST VALUE IS     56.91455 AT (  371987.50,
3757762.50,   31.67,   31.67,   0.00)  DC
       6TH HIGHEST VALUE IS     55.87910 AT (  371987.50,
3757737.50,   31.91,   31.91,   0.00)  DC
       7TH HIGHEST VALUE IS     54.94239 AT (  371987.50,
3757712.50,   31.74,   31.74,   0.00)  DC
       8TH HIGHEST VALUE IS     53.97870 AT (  371987.50,
3757687.50,   31.47,   31.47,   0.00)  DC
       9TH HIGHEST VALUE IS     40.90733 AT (  372012.50,
3757762.50,   31.63,   31.63,   0.00)  DC
      10TH HIGHEST VALUE IS     40.34104 AT (  372012.50,
3757737.50,   31.74,   31.74,   0.00)  DC

W_OFF    1ST HIGHEST VALUE IS     52.40810 AT (  371862.50,
3757812.50,   32.33,   32.33,   0.00)  DC
       2ND HIGHEST VALUE IS     50.73261 AT (  371837.50,
3757812.50,   32.35,   32.35,   0.00)  DC
       3RD HIGHEST VALUE IS     49.86821 AT (  371812.50,
3757812.50,   31.81,   31.81,   0.00)  DC
       4TH HIGHEST VALUE IS     46.02731 AT (  371962.50,
3757762.50,   31.38,   31.38,   0.00)  DC
       5TH HIGHEST VALUE IS     39.15824 AT (  371862.50,
3757837.50,   32.37,   32.37,   0.00)  DC
       6TH HIGHEST VALUE IS     36.64994 AT (  371837.50,
3757837.50,   32.48,   32.48,   0.00)  DC
       7TH HIGHEST VALUE IS     32.34213 AT (  371862.50,
3757862.50,   32.30,   32.30,   0.00)  DC
       8TH HIGHEST VALUE IS     31.90360 AT (  371987.50,
3757762.50,   31.67,   31.67,   0.00)  DC
       9TH HIGHEST VALUE IS     29.42500 AT (  371837.50,
3757862.50,   32.37,   32.37,   0.00)  DC
      10TH HIGHEST VALUE IS     25.08351 AT (  371962.50,
3757737.50,   31.54,   31.54,   0.00)  DC

W_ONSITE  1ST HIGHEST VALUE IS     30.39488 AT (  372212.50,
3758012.50,   31.75,   31.75,   0.00)  DC
       2ND HIGHEST VALUE IS     30.39466 AT (  371937.50,
3758087.50,   32.67,   32.67,   0.00)  DC
       3RD HIGHEST VALUE IS     29.80865 AT (  372212.50,
3757987.50,   31.83,   31.83,   0.00)  DC
       4TH HIGHEST VALUE IS     29.69340 AT (  372212.50,
3758037.50,   31.75,   31.75,   0.00)  DC
       5TH HIGHEST VALUE IS     28.03678 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       6TH HIGHEST VALUE IS     27.60356 AT (  372212.50,
3758062.50,   31.87,   31.87,   0.00)  DC
       7TH HIGHEST VALUE IS     25.63679 AT (  372237.50,
3758012.50,   31.49,   31.49,   0.00)  DC
       8TH HIGHEST VALUE IS     25.33267 AT (  372237.50,
3758037.50,   31.54,   31.54,   0.00)  DC
       9TH HIGHEST VALUE IS     25.21190 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
      10TH HIGHEST VALUE IS     24.88682 AT (  372237.50,
3757987.50,   31.44,   31.44,   0.00)  DC

W_TRAVEL  1ST HIGHEST VALUE IS     41.97989 AT (  371937.50,
3758087.50,   32.67,   32.67,   0.00)  DC
       2ND HIGHEST VALUE IS     29.63497 AT (  371912.50,
3758087.50,   32.09,   32.09,   0.00)  DC
       3RD HIGHEST VALUE IS     28.35470 AT (  372212.50,
3758012.50,   31.75,   31.75,   0.00)  DC
       4TH HIGHEST VALUE IS     28.19615 AT (  372212.50,
3757987.50,   31.83,   31.83,   0.00)  DC
       5TH HIGHEST VALUE IS     27.88612 AT (  372212.50,
3758037.50,   31.75,   31.75,   0.00)  DC
       6TH HIGHEST VALUE IS     27.63008 AT (  371937.50,
3758112.50,   32.78,   32.78,   0.00)  DC
       7TH HIGHEST VALUE IS     27.33501 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       8TH HIGHEST VALUE IS     26.56829 AT (  372212.50,
3758062.50,   31.87,   31.87,   0.00)  DC
       9TH HIGHEST VALUE IS     25.52575 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
      10TH HIGHEST VALUE IS     24.19445 AT (  372212.50,
3758087.50,   32.07,   32.07,   0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT\9000
AIRPORT.ISC          ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       22:40:32

PAGE 198
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


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

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

EGEN1    HIGH   1ST HIGH VALUE IS     532.22964  ON 23022206: AT
(  372212.50,  3758037.50,    31.75,    31.75,    0.00)  DC

E_OFF    HIGH   1ST HIGH VALUE IS     207.17627  ON 20080702: AT (
371962.50,  3757762.50,    31.38,    31.38,    0.00)  DC

IDLE1    HIGH   1ST HIGH VALUE IS     205.75170  ON 23010503: AT (
371937.50,  3758087.50,    32.67,    32.67,    0.00)  DC

IDLE2    HIGH   1ST HIGH VALUE IS     162.94376  ON 21121401: AT (
371937.50,  3758087.50,    32.67,    32.67,    0.00)  DC

IDLE3    HIGH   1ST HIGH VALUE IS     126.41727  ON 23090121: AT (
371937.50,  3758087.50,    32.67,    32.67,    0.00)  DC

IDLE4    HIGH   1ST HIGH VALUE IS     122.24586  ON 22011519: AT (
372012.50,  3757762.50,    31.63,    31.63,    0.00)  DC

IDLE5    HIGH   1ST HIGH VALUE IS     151.76703  ON 22011519: AT (
372012.50,  3757762.50,    31.63,    31.63,    0.00)  DC

N_OFF    HIGH   1ST HIGH VALUE IS     447.61120  ON 20080702: AT
(  371962.50,  3758287.50,    32.82,    32.82,    0.00)  DC

S_OFF    HIGH   1ST HIGH VALUE IS     276.70347  ON 20080702: AT (
371962.50,  3757762.50,    31.38,    31.38,    0.00)  DC

W_OFF    HIGH   1ST HIGH VALUE IS     154.86518  ON 23120916: AT
(  371962.50,  3757762.50,    31.38,    31.38,    0.00)  DC

W_ONSITE HIGH   1ST HIGH VALUE IS     241.51464  ON 22122916:
AT (  371937.50,  3758087.50,    32.67,    32.67,    0.00)  DC

W_TRAVEL HIGH   1ST HIGH VALUE IS     524.98648  ON 22122916:
AT (  371937.50,  3758087.50,    32.67,    32.67,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

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 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT\9000
AIRPORT.ISC           ***        01/29/25
 *** AERMET - VERSION  22112 ***   ***
***        22:40:32

PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

 A Total of           0 Fatal Error Message(s)
 A Total of           3 Warning Message(s)
 A Total of        1453 Informational Message(s)

 A Total of       43824 Hours Were Processed

 A Total of         604 Calm Hours Identified

 A Total of         849 Missing Hours Identified (  1.94 Percent)


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


    ********   WARNING MESSAGES   ********
 SO W320    1883       PPARM: Input Parameter May Be Out-of-Range
for Parameter            VS
 ME W186    2415       MEOPEN: THRESH_1MIN 1-min ASOS wind
speed threshold used           0.50
 ME W187    2415       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
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** Lakes Environmental AERMOD MPI
**
**********************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 13.0.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 1/29/2025
** FILE: C:\AERMOD\AERMOD 13\9000 AIRPORT (OPTION 2)\9000
AIRPORT (OPTION 2).ADI
**
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** AERMOD CONTROL PATHWAY
**********************************************
**
**
CO STARTING
   TITLEONE C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT
OPTION 2\9000 AIRPORT OPTI
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 9663345 LOS_ANGELES_COUNTY
   POLLUTID SCALER
   RUNORNOT RUN
   ERRORFIL "9000 AIRPORT (OPTION 2).ERR"
CO FINISHED
**
**********************************************
** AERMOD SOURCE PATHWAY
**********************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** ----------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = N_TRVL
** DESCRSRC NORTH BUILDING - TRUCK TRAVEL
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
** SZINIT = 1.16
** NODES = 4
** 371968.906, 3757997.189, 32.18, 3.66, 2.33
** 372004.439, 3757997.666, 32.80, 3.66, 2.33
** 372020.894, 3758018.175, 32.70, 3.66, 2.33
** 372159.450, 3758018.175, 32.84, 3.66, 2.33
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   LOCATION L0000683    VOLUME   371976.406 3757997.290 32.54
   LOCATION L0000684    VOLUME   371981.405 3757997.357 32.66
   LOCATION L0000685    VOLUME   371986.405 3757997.424 32.77
   LOCATION L0000686    VOLUME   371991.404 3757997.491 32.77
   LOCATION L0000687    VOLUME   371996.404 3757997.558 32.75
   LOCATION L0000688    VOLUME   372001.403 3757997.625 32.73
   LOCATION L0000689    VOLUME   372005.668 3757999.198 32.71
   LOCATION L0000690    VOLUME   372008.797 3758003.098 32.69
   LOCATION L0000691    VOLUME   372011.926 3758006.998 32.68
   LOCATION L0000692    VOLUME   372015.055 3758010.898 32.67
   LOCATION L0000693    VOLUME   372018.184 3758014.797 32.68
   LOCATION L0000694    VOLUME   372021.564 3758018.175 32.72
   LOCATION L0000695    VOLUME   372026.564 3758018.175 32.75
   LOCATION L0000696    VOLUME   372031.564 3758018.175 32.77
   LOCATION L0000697    VOLUME   372036.564 3758018.175 32.79
   LOCATION L0000698    VOLUME   372041.564 3758018.175 32.80
   LOCATION L0000699    VOLUME   372046.564 3758018.175 32.80
   LOCATION L0000700    VOLUME   372051.564 3758018.175 32.80
   LOCATION L0000701    VOLUME   372056.564 3758018.175 32.79
   LOCATION L0000702    VOLUME   372061.564 3758018.175 32.79
   LOCATION L0000703    VOLUME   372066.564 3758018.175 32.78
   LOCATION L0000704    VOLUME   372071.564 3758018.175 32.76
   LOCATION L0000705    VOLUME   372076.564 3758018.175 32.74
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   LOCATION L0000707    VOLUME   372086.564 3758018.175 32.70
   LOCATION L0000708    VOLUME   372091.564 3758018.175 32.68
   LOCATION L0000709    VOLUME   372096.564 3758018.175 32.68
   LOCATION L0000710    VOLUME   372101.564 3758018.175 32.68
   LOCATION L0000711    VOLUME   372106.564 3758018.175 32.68
   LOCATION L0000712    VOLUME   372111.564 3758018.175 32.68
   LOCATION L0000713    VOLUME   372116.564 3758018.175 32.68
   LOCATION L0000714    VOLUME   372121.564 3758018.175 32.72
   LOCATION L0000715    VOLUME   372126.564 3758018.175 32.75
   LOCATION L0000716    VOLUME   372131.564 3758018.175 32.79
   LOCATION L0000717    VOLUME   372136.564 3758018.175 32.83
   LOCATION L0000718    VOLUME   372141.564 3758018.175 32.86
   LOCATION L0000719    VOLUME   372146.564 3758018.175 32.79
   LOCATION L0000720    VOLUME   372151.564 3758018.175 32.72
   LOCATION L0000721    VOLUME   372156.564 3758018.175 32.65
** END OF LINE VOLUME SOURCE ID = N_TRVL
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = N_ONSITE
** DESCRSRC NORTH BUILDING - TRUCK IDLING AND
MANEUVERING
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
** SZINIT = 1.16
** NODES = 8
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** 372127.732, 3758046.792, 32.70, 3.66, 2.33
** 372128.209, 3758035.822, 32.65, 3.66, 2.33
** 372053.327, 3758037.253, 32.84, 3.66, 2.33
** 372053.327, 3758026.522, 32.80, 3.66, 2.33
** 372128.209, 3758026.522, 32.67, 3.66, 2.33
** 372127.255, 3758014.836, 32.68, 3.66, 2.33
** 372052.612, 3758017.221, 32.79, 3.66, 2.33
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   LOCATION L0000724    VOLUME   372064.158 3758046.792 32.83
   LOCATION L0000725    VOLUME   372069.158 3758046.792 32.77
   LOCATION L0000726    VOLUME   372074.158 3758046.792 32.72
   LOCATION L0000727    VOLUME   372079.158 3758046.792 32.66
   LOCATION L0000728    VOLUME   372084.158 3758046.792 32.60
   LOCATION L0000729    VOLUME   372089.158 3758046.792 32.54
   LOCATION L0000730    VOLUME   372094.158 3758046.792 32.54
   LOCATION L0000731    VOLUME   372099.158 3758046.792 32.57
   LOCATION L0000732    VOLUME   372104.158 3758046.792 32.59
   LOCATION L0000733    VOLUME   372109.158 3758046.792 32.61
   LOCATION L0000734    VOLUME   372114.158 3758046.792 32.63
   LOCATION L0000735    VOLUME   372119.158 3758046.792 32.66
   LOCATION L0000736    VOLUME   372124.158 3758046.792 32.70
   LOCATION L0000737    VOLUME   372127.794 3758045.368 32.72
   LOCATION L0000738    VOLUME   372128.011 3758040.373 32.73
   LOCATION L0000739    VOLUME   372127.764 3758035.831 32.73
   LOCATION L0000740    VOLUME   372122.765 3758035.927 32.70
   LOCATION L0000741    VOLUME   372117.765 3758036.022 32.66
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   LOCATION L0000742    VOLUME   372112.766 3758036.118 32.64
   LOCATION L0000743    VOLUME   372107.767 3758036.213 32.62
   LOCATION L0000744    VOLUME   372102.768 3758036.309 32.61
   LOCATION L0000745    VOLUME   372097.769 3758036.404 32.59
   LOCATION L0000746    VOLUME   372092.770 3758036.500 32.58
   LOCATION L0000747    VOLUME   372087.771 3758036.595 32.59
   LOCATION L0000748    VOLUME   372082.772 3758036.691 32.64
   LOCATION L0000749    VOLUME   372077.773 3758036.786 32.69
   LOCATION L0000750    VOLUME   372072.774 3758036.882 32.74
   LOCATION L0000751    VOLUME   372067.775 3758036.977 32.79
   LOCATION L0000752    VOLUME   372062.775 3758037.073 32.82
   LOCATION L0000753    VOLUME   372057.776 3758037.168 32.83
   LOCATION L0000754    VOLUME   372053.327 3758036.703 32.84
   LOCATION L0000755    VOLUME   372053.327 3758031.703 32.83
   LOCATION L0000756    VOLUME   372053.327 3758026.703 32.81
   LOCATION L0000757    VOLUME   372058.146 3758026.522 32.81
   LOCATION L0000758    VOLUME   372063.146 3758026.522 32.80
   LOCATION L0000759    VOLUME   372068.146 3758026.522 32.78
   LOCATION L0000760    VOLUME   372073.146 3758026.522 32.75
   LOCATION L0000761    VOLUME   372078.146 3758026.522 32.71
   LOCATION L0000762    VOLUME   372083.146 3758026.522 32.68
   LOCATION L0000763    VOLUME   372088.146 3758026.522 32.65
   LOCATION L0000764    VOLUME   372093.146 3758026.522 32.63
   LOCATION L0000765    VOLUME   372098.146 3758026.522 32.64
   LOCATION L0000766    VOLUME   372103.146 3758026.522 32.65
   LOCATION L0000767    VOLUME   372108.146 3758026.522 32.65
   LOCATION L0000768    VOLUME   372113.146 3758026.522 32.66
   LOCATION L0000769    VOLUME   372118.146 3758026.522 32.68
   LOCATION L0000770    VOLUME   372123.146 3758026.522 32.71
   LOCATION L0000771    VOLUME   372128.146 3758026.522 32.75
   LOCATION L0000772    VOLUME   372127.807 3758021.602 32.76
   LOCATION L0000773    VOLUME   372127.401 3758016.618 32.76
   LOCATION L0000774    VOLUME   372124.044 3758014.939 32.74
   LOCATION L0000775    VOLUME   372119.047 3758015.099 32.70
   LOCATION L0000776    VOLUME   372114.049 3758015.258 32.68
   LOCATION L0000777    VOLUME   372109.052 3758015.418 32.68
   LOCATION L0000778    VOLUME   372104.054 3758015.578 32.69
   LOCATION L0000779    VOLUME   372099.057 3758015.737 32.69
   LOCATION L0000780    VOLUME   372094.060 3758015.897 32.70
   LOCATION L0000781    VOLUME   372089.062 3758016.057 32.70
   LOCATION L0000782    VOLUME   372084.065 3758016.216 32.72
   LOCATION L0000783    VOLUME   372079.067 3758016.376 32.74
   LOCATION L0000784    VOLUME   372074.070 3758016.536 32.75
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   LOCATION L0000788    VOLUME   372054.080 3758017.174 32.79
** END OF LINE VOLUME SOURCE ID = N_ONSITE
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = S_TRVL
** DESCRSRC SOUTH BUILDINGS - TRUCK TRAVEL
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
** SZINIT = 1.16
** NODES = 7
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** 372095.748, 3758006.743, 32.70, 3.66, 2.33
** 372065.167, 3758006.743, 32.77, 3.66, 2.33
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** 372079.475, 3757823.255, 32.26, 3.66, 2.33
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   LOCATION L0000792    VOLUME   372080.598 3757804.563 31.91
   LOCATION L0000793    VOLUME   372080.598 3757809.563 31.99
   LOCATION L0000794    VOLUME   372080.598 3757814.563 32.06
   LOCATION L0000795    VOLUME   372080.598 3757819.563 32.14
   LOCATION L0000796    VOLUME   372081.919 3757824.015 32.20
   LOCATION L0000797    VOLUME   372085.454 3757827.551 32.23
   LOCATION L0000798    VOLUME   372088.990 3757831.086 32.27
   LOCATION L0000799    VOLUME   372092.526 3757834.622 32.31
   LOCATION L0000800    VOLUME   372095.191 3757838.520 32.36
   LOCATION L0000801    VOLUME   372095.208 3757843.520 32.44
   LOCATION L0000802    VOLUME   372095.224 3757848.520 32.51
   LOCATION L0000803    VOLUME   372095.241 3757853.520 32.58
   LOCATION L0000804    VOLUME   372095.257 3757858.519 32.66
   LOCATION L0000805    VOLUME   372095.274 3757863.519 32.70
   LOCATION L0000806    VOLUME   372095.290 3757868.519 32.72
   LOCATION L0000807    VOLUME   372095.307 3757873.519 32.75
   LOCATION L0000808    VOLUME   372095.323 3757878.519 32.78
   LOCATION L0000809    VOLUME   372095.340 3757883.519 32.80
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   LOCATION L0000816    VOLUME   372095.456 3757918.519 32.67
   LOCATION L0000817    VOLUME   372095.472 3757923.519 32.65
   LOCATION L0000818    VOLUME   372095.489 3757928.519 32.66
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   LOCATION L0000842    VOLUME   372065.205 3757995.549 32.71
   LOCATION L0000843    VOLUME   372065.221 3757990.549 32.69
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   LOCATION L0000848    VOLUME   372065.306 3757965.549 32.74
   LOCATION L0000849    VOLUME   372065.323 3757960.549 32.76
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   LOCATION L0000862     VOLUME   372065.542 3757895.549 32.93
   LOCATION L0000863     VOLUME   372065.559 3757890.549 32.95
   LOCATION L0000864     VOLUME   372065.576 3757885.549 32.94
   LOCATION L0000865     VOLUME   372065.593 3757880.549 32.94
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   LOCATION L0000875     VOLUME   372071.991 3757832.726 32.39
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   LOCATION L0000877     VOLUME   372078.191 3757824.880 32.23
** END OF LINE VOLUME SOURCE ID = S_TRVL
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = S_ONSITE
** DESCRSRC SOUTH BUILDINGS - TRUCK IDLING AND
MANEUVERING
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
** SZINIT = 1.16
** NODES = 10
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** 372043.563, 3757911.632, 32.82, 3.66, 2.33
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   LOCATION L0000889     VOLUME   372101.062 3757943.205 32.67
   LOCATION L0000890     VOLUME   372106.062 3757943.243 32.67
   LOCATION L0000891     VOLUME   372111.062 3757943.280 32.67
   LOCATION L0000892     VOLUME   372116.061 3757943.318 32.67
   LOCATION L0000893     VOLUME   372118.515 3757940.748 32.68
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   LOCATION L0000899     VOLUME   372103.579 3757926.623 32.65
   LOCATION L0000900     VOLUME   372098.584 3757926.848 32.66
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   LOCATION L0000910     VOLUME   372048.634 3757929.092 32.78
   LOCATION L0000911     VOLUME   372043.841 3757929.103 32.78
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   LOCATION L0000917     VOLUME   372056.091 3757911.632 32.85
   LOCATION L0000918     VOLUME   372061.091 3757911.632 32.84
   LOCATION L0000919     VOLUME   372066.091 3757911.632 32.83
   LOCATION L0000920     VOLUME   372071.091 3757911.632 32.81
   LOCATION L0000921     VOLUME   372076.091 3757911.632 32.79
   LOCATION L0000922     VOLUME   372081.091 3757911.632 32.76
   LOCATION L0000923     VOLUME   372086.091 3757911.632 32.74
   LOCATION L0000924     VOLUME   372091.091 3757911.632 32.73
   LOCATION L0000925     VOLUME   372096.091 3757911.632 32.71
   LOCATION L0000926     VOLUME   372101.091 3757911.632 32.70
   LOCATION L0000927     VOLUME   372106.091 3757911.632 32.69
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   LOCATION L0000931     VOLUME   372118.079 3757903.736 32.71
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   LOCATION L0000933     VOLUME   372117.934 3757893.737 32.74
   LOCATION L0000934     VOLUME   372114.376 3757892.341 32.73
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   LOCATION L0000936     VOLUME   372104.378 3757892.531 32.78
   LOCATION L0000937     VOLUME   372099.379 3757892.626 32.81
   LOCATION L0000938     VOLUME   372094.380 3757892.721 32.84
   LOCATION L0000939     VOLUME   372089.381 3757892.816 32.87
   LOCATION L0000940     VOLUME   372084.382 3757892.911 32.89
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   LOCATION L0000942     VOLUME   372074.383 3757893.101 32.92
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   LOCATION L0000944     VOLUME   372064.385 3757893.291 32.95
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   LOCATION L0000949     VOLUME   372044.125 3757888.941 32.98
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   LOCATION L0000960     VOLUME   372085.340 3757875.629 32.81
   LOCATION L0000961     VOLUME   372090.340 3757875.686 32.79
   LOCATION L0000962     VOLUME   372095.340 3757875.743 32.76
   LOCATION L0000963     VOLUME   372100.339 3757875.800 32.74
   LOCATION L0000964     VOLUME   372105.339 3757875.857 32.71
   LOCATION L0000965     VOLUME   372110.339 3757875.915 32.69
   LOCATION L0000966     VOLUME   372115.338 3757875.972 32.68
** END OF LINE VOLUME SOURCE ID = S_ONSITE
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32.840
** DESCRSRC TRUCK IDLE - 1
   LOCATION IDLE2        POINT     372087.000  3758043.000
32.570
** DESCRSRC TRUCK IDLE - 2
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  LOCATION IDLE3      POINT     372117.000  3758043.000
32.640
** DESCRSRC TRUCK IDLE - 3
  LOCATION IDLE4      POINT     372047.000  3757934.220
32.780
** DESCRSRC TRUCK IDLE - 4 (WEST)
  LOCATION IDLE5      POINT     372047.000  3757909.153
32.870
** DESCRSRC TRUCK IDLE - 5 (WEST)
  LOCATION IDLE6      POINT     372047.000  3757881.505
32.970
** DESCRSRC TRUCK IDLE - 6 (WEST)
  LOCATION IDLE7      POINT     372110.857  3757934.000
32.660
** DESCRSRC TRUCK IDLE - 7 (EAST)
  LOCATION IDLE8      POINT     372110.488  3757909.153
32.690
** DESCRSRC TRUCK IDLE - 8 (EAST)
  LOCATION IDLE9      POINT     372111.962  3757881.500
32.700
** DESCRSRC TRUCK IDLE - 9 (EAST)
  LOCATION EGEN1      POINT     372163.610  3757998.750
32.610
** DESCRSRC EMERGENCY GENERATOR - 1
  LOCATION EGEN2      POINT     372147.290  3758111.910
32.660
** DESCRSRC EMERGENCY GENERATOR - 2
  LOCATION EGEN3      POINT     372049.851  3757988.040
32.750
** DESCRSRC EMERGENCY GENERATOR - 3
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = N_OFF
** DESCRSRC NORTH - TRUCK TRAVEL OFFSITE
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
** SZINIT = 1.16
** NODES = 3
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** END OF LINE VOLUME SOURCE ID = N_OFF
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = E_OFF
** DESCRSRC EAST -  TRUCK TRAVEL OFFSTIE
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = W_OFF
** DESCRSRC WEST - OFFSITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
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LOCATION L0002335 VOLUME 371739.972 3757772.195 31.70
LOCATION L0002336 VOLUME 371734.972 3757772.251 31.68
LOCATION L0002337 VOLUME 371729.973 3757772.307 31.66
LOCATION L0002338 VOLUME 371724.973 3757772.363 31.64
LOCATION L0002339 VOLUME 371719.973 3757772.419 31.61
LOCATION L0002340 VOLUME 371714.974 3757772.475 31.58
LOCATION L0002341 VOLUME 371709.974 3757772.531 31.55
LOCATION L0002342 VOLUME 371704.974 3757772.587 31.51
LOCATION L0002343 VOLUME 371699.975 3757772.643 31.49
LOCATION L0002344 VOLUME 371694.975 3757772.699 31.46
LOCATION L0002345 VOLUME 371689.975 3757772.755 31.44
LOCATION L0002346 VOLUME 371684.975 3757772.811 31.41
LOCATION L0002347 VOLUME 371679.976 3757772.866 31.39
LOCATION L0002348 VOLUME 371674.976 3757772.922 31.36
LOCATION L0002349 VOLUME 371669.976 3757772.978 31.34
LOCATION L0002350 VOLUME 371664.977 3757773.034 31.31
LOCATION L0002351 VOLUME 371659.977 3757773.090 31.28
LOCATION L0002352 VOLUME 371654.977 3757773.146 31.26
LOCATION L0002353 VOLUME 371649.978 3757773.202 31.23
LOCATION L0002354 VOLUME 371644.978 3757773.258 31.23
LOCATION L0002355 VOLUME 371639.978 3757773.314 31.23
LOCATION L0002356 VOLUME 371634.979 3757773.370 31.23
LOCATION L0002357 VOLUME 371629.979 3757773.426 31.22
LOCATION L0002358 VOLUME 371624.979 3757773.482 31.22
LOCATION L0002359 VOLUME 371619.980 3757773.538 31.26
LOCATION L0002360 VOLUME 371614.980 3757773.594 31.30
LOCATION L0002361 VOLUME 371609.980 3757773.650 31.34
LOCATION L0002362 VOLUME 371604.980 3757773.706 31.38
LOCATION L0002363 VOLUME 371599.981 3757773.761 31.42
LOCATION L0002364 VOLUME 371594.981 3757773.817 31.46
LOCATION L0002365 VOLUME 371589.981 3757773.873 31.50
LOCATION L0002366 VOLUME 371584.982 3757773.929 31.53
LOCATION L0002367 VOLUME 371579.982 3757773.985 31.57
LOCATION L0002368 VOLUME 371574.982 3757774.041 31.61
LOCATION L0002369 VOLUME 371569.983 3757774.097 31.63
LOCATION L0002370 VOLUME 371564.983 3757774.153 31.65
LOCATION L0002371 VOLUME 371559.983 3757774.209 31.67
LOCATION L0002372 VOLUME 371554.984 3757774.265 31.69
LOCATION L0002373 VOLUME 371549.984 3757774.321 31.71
LOCATION L0002374 VOLUME 371544.984 3757774.377 31.70
LOCATION L0002375 VOLUME 371539.985 3757774.433 31.67
LOCATION L0002376 VOLUME 371534.985 3757774.489 31.64
LOCATION L0002377 VOLUME 371529.985 3757774.545 31.61
LOCATION L0002378 VOLUME 371524.985 3757774.600 31.58
LOCATION L0002379 VOLUME 371519.986 3757774.656 31.59
LOCATION L0002380 VOLUME 371514.986 3757774.712 31.66
LOCATION L0002381 VOLUME 371509.986 3757774.768 31.73
LOCATION L0002382 VOLUME 371504.987 3757774.824 31.80
LOCATION L0002383 VOLUME 371499.987 3757774.880 31.87
LOCATION L0002384 VOLUME 371494.987 3757774.936 31.94
LOCATION L0002385 VOLUME 371489.988 3757774.992 32.03
LOCATION L0002386 VOLUME 371484.988 3757775.048 32.12
LOCATION L0002387 VOLUME 371479.988 3757775.104 32.21
LOCATION L0002388 VOLUME 371474.989 3757775.160 32.29
LOCATION L0002389 VOLUME 371469.989 3757775.216 32.37
LOCATION L0002390 VOLUME 371464.989 3757775.272 32.37
LOCATION L0002391 VOLUME 371459.990 3757775.328 32.36
LOCATION L0002392 VOLUME 371454.990 3757775.384 32.35
LOCATION L0002393 VOLUME 371449.990 3757775.440 32.35
LOCATION L0002394 VOLUME 371444.990 3757775.495 32.34

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   LOCATION L0002396    VOLUME   371434.991 3757775.607 32.38
   LOCATION L0002397    VOLUME   371429.991 3757775.663 32.40
   LOCATION L0002398    VOLUME   371424.992 3757775.719 32.42
   LOCATION L0002399    VOLUME   371419.992 3757775.775 32.44
   LOCATION L0002400    VOLUME   371414.992 3757775.831 32.41
   LOCATION L0002401    VOLUME   371409.993 3757775.887 32.38
   LOCATION L0002402    VOLUME   371404.993 3757775.943 32.35
   LOCATION L0002403    VOLUME   371399.993 3757775.999 32.31
   LOCATION L0002404    VOLUME   371394.994 3757776.055 32.28
   LOCATION L0002405    VOLUME   371389.994 3757776.111 32.32
   LOCATION L0002406    VOLUME   371384.994 3757776.167 32.37
   LOCATION L0002407    VOLUME   371379.995 3757776.223 32.43
   LOCATION L0002408    VOLUME   371374.995 3757776.279 32.49
   LOCATION L0002409    VOLUME   371369.995 3757776.334 32.55
   LOCATION L0002410    VOLUME   371364.995 3757776.390 32.65
   LOCATION L0002411    VOLUME   371359.996 3757776.446 32.79
   LOCATION L0002412    VOLUME   371354.996 3757776.502 32.92
   LOCATION L0002413    VOLUME   371349.996 3757776.558 33.05
   LOCATION L0002414    VOLUME   371344.997 3757776.614 33.18
   LOCATION L0002415    VOLUME   371339.997 3757776.670 33.29
   LOCATION L0002416    VOLUME   371334.997 3757776.726 33.37
   LOCATION L0002417    VOLUME   371329.998 3757776.782 33.45
   LOCATION L0002418    VOLUME   371324.998 3757776.838 33.53
   LOCATION L0002419    VOLUME   371319.998 3757776.894 33.61
   LOCATION L0002420    VOLUME   371314.999 3757776.950 33.68
   LOCATION L0002421    VOLUME   371309.999 3757777.006 33.73
   LOCATION L0002422    VOLUME   371304.999 3757777.062 33.77
   LOCATION L0002423    VOLUME   371300.000 3757777.118 33.82
   LOCATION L0002424    VOLUME   371295.000 3757777.174 33.87
   LOCATION L0002425    VOLUME   371290.000 3757777.229 33.91
   LOCATION L0002426    VOLUME   371285.000 3757777.285 33.93
** END OF LINE VOLUME SOURCE ID = W_OFF
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME
SOURCES
** LINE VOLUME SOURCE ID = S_OFF
** DESCRSRC SOUTH - OFFSITE TRAVEL
** PREFIX
** LENGTH OF SIDE = 5.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** ELEVATED
** VERTICAL DIMENSION = 5.00
** SZINIT = 1.16
** NODES = 2
** 371953.937, 3757999.130, 32.21, 3.66, 2.33
** 371926.099, 3757399.153, 30.64, 3.66, 2.33
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   LOCATION L0002131    VOLUME   371953.590 3757991.638 32.17
   LOCATION L0002132    VOLUME   371953.358 3757986.643 32.15
   LOCATION L0002133    VOLUME   371953.126 3757981.649 32.13
   LOCATION L0002134    VOLUME   371952.894 3757976.654 32.11
   LOCATION L0002135    VOLUME   371952.663 3757971.659 32.09
   LOCATION L0002136    VOLUME   371952.431 3757966.665 32.07
   LOCATION L0002137    VOLUME   371952.199 3757961.670 32.05
   LOCATION L0002138    VOLUME   371951.967 3757956.675 32.03
   LOCATION L0002139    VOLUME   371951.736 3757951.681 32.01
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   LOCATION L0002141    VOLUME   371951.272 3757941.692 31.96
   LOCATION L0002142    VOLUME   371951.040 3757936.697 31.94
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   LOCATION L0002144    VOLUME   371950.577 3757926.708 31.89
   LOCATION L0002145    VOLUME   371950.345 3757921.713 31.87
   LOCATION L0002146    VOLUME   371950.113 3757916.718 31.85
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   LOCATION L0002150    VOLUME   371949.186 3757896.740 31.79
   LOCATION L0002151    VOLUME   371948.955 3757891.745 31.77
   LOCATION L0002152    VOLUME   371948.723 3757886.751 31.75
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   LOCATION L0002154    VOLUME   371948.260 3757876.761 31.71
   LOCATION L0002155    VOLUME   371948.028 3757871.767 31.70
   LOCATION L0002156    VOLUME   371947.796 3757866.772 31.68
   LOCATION L0002157    VOLUME   371947.564 3757861.778 31.66
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   LOCATION L0002159    VOLUME   371947.101 3757851.788 31.60
   LOCATION L0002160    VOLUME   371946.869 3757846.794 31.57
   LOCATION L0002161    VOLUME   371946.637 3757841.799 31.54
   LOCATION L0002162    VOLUME   371946.406 3757836.804 31.50
   LOCATION L0002163    VOLUME   371946.174 3757831.810 31.47
   LOCATION L0002164    VOLUME   371945.942 3757826.815 31.47
   LOCATION L0002165    VOLUME   371945.710 3757821.821 31.47
   LOCATION L0002166    VOLUME   371945.479 3757816.826 31.47
   LOCATION L0002167    VOLUME   371945.247 3757811.831 31.47
   LOCATION L0002168    VOLUME   371945.015 3757806.837 31.47
   LOCATION L0002169    VOLUME   371944.783 3757801.842 31.47
   LOCATION L0002170    VOLUME   371944.552 3757796.847 31.46
   LOCATION L0002171    VOLUME   371944.320 3757791.853 31.44
   LOCATION L0002172    VOLUME   371944.088 3757786.858 31.43
   LOCATION L0002173    VOLUME   371943.856 3757781.864 31.41
   LOCATION L0002174    VOLUME   371943.625 3757776.869 31.40
   LOCATION L0002175    VOLUME   371943.393 3757771.874 31.38
   LOCATION L0002176    VOLUME   371943.161 3757766.880 31.38
   LOCATION L0002177    VOLUME   371942.929 3757761.885 31.38
   LOCATION L0002178    VOLUME   371942.698 3757756.890 31.37
   LOCATION L0002179    VOLUME   371942.466 3757751.896 31.37
   LOCATION L0002180    VOLUME   371942.234 3757746.901 31.37
   LOCATION L0002181    VOLUME   371942.003 3757741.906 31.36
   LOCATION L0002182    VOLUME   371941.771 3757736.912 31.36
   LOCATION L0002183    VOLUME   371941.539 3757731.917 31.35
   LOCATION L0002184    VOLUME   371941.307 3757726.923 31.35
   LOCATION L0002185    VOLUME   371941.076 3757721.928 31.34
   LOCATION L0002186    VOLUME   371940.844 3757716.933 31.34
   LOCATION L0002187    VOLUME   371940.612 3757711.939 31.33
   LOCATION L0002188    VOLUME   371940.380 3757706.944 31.32
   LOCATION L0002189    VOLUME   371940.149 3757701.949 31.30
   LOCATION L0002190    VOLUME   371939.917 3757696.955 31.27
   LOCATION L0002191    VOLUME   371939.685 3757691.960 31.25
   LOCATION L0002192    VOLUME   371939.453 3757686.966 31.22
   LOCATION L0002193    VOLUME   371939.222 3757681.971 31.20
   LOCATION L0002194    VOLUME   371938.990 3757676.976 31.17
   LOCATION L0002195    VOLUME   371938.758 3757671.982 31.17
   LOCATION L0002196    VOLUME   371938.526 3757666.987 31.17
   LOCATION L0002197    VOLUME   371938.295 3757661.992 31.17
   LOCATION L0002198    VOLUME   371938.063 3757656.998 31.16
   LOCATION L0002199    VOLUME   371937.831 3757652.003 31.16
   LOCATION L0002200    VOLUME   371937.599 3757647.009 31.16
   LOCATION L0002201    VOLUME   371937.368 3757642.014 31.15
   LOCATION L0002202    VOLUME   371937.136 3757637.019 31.15
   LOCATION L0002203    VOLUME   371936.904 3757632.025 31.14
   LOCATION L0002204    VOLUME   371936.672 3757627.030 31.14
   LOCATION L0002205    VOLUME   371936.441 3757622.035 31.13
   LOCATION L0002206    VOLUME   371936.209 3757617.041 31.13
   LOCATION L0002207    VOLUME   371935.977 3757612.046 31.11
   LOCATION L0002208    VOLUME   371935.746 3757607.052 31.10
   LOCATION L0002209    VOLUME   371935.514 3757602.057 31.08
   LOCATION L0002210    VOLUME   371935.282 3757597.062 31.06
   LOCATION L0002211    VOLUME   371935.050 3757592.068 31.05
   LOCATION L0002212    VOLUME   371934.819 3757587.073 31.03
   LOCATION L0002213    VOLUME   371934.587 3757582.078 31.02
   LOCATION L0002214    VOLUME   371934.355 3757577.084 31.02
   LOCATION L0002215    VOLUME   371934.123 3757572.089 31.01
   LOCATION L0002216    VOLUME   371933.892 3757567.095 31.01
   LOCATION L0002217    VOLUME   371933.660 3757562.100 31.00
   LOCATION L0002218    VOLUME   371933.428 3757557.105 30.99
   LOCATION L0002219    VOLUME   371933.196 3757552.111 30.99
   LOCATION L0002220    VOLUME   371932.965 3757547.116 30.98
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  LOCATION L0002222    VOLUME  371932.501 3757537.127 30.96
  LOCATION L0002223    VOLUME  371932.269 3757532.132 30.95
  LOCATION L0002224    VOLUME  371932.038 3757527.138 30.94
  LOCATION L0002225    VOLUME  371931.806 3757522.143 30.93
  LOCATION L0002226    VOLUME  371931.574 3757517.148 30.93
  LOCATION L0002227    VOLUME  371931.342 3757512.154 30.92
  LOCATION L0002228    VOLUME  371931.111 3757507.159 30.91
  LOCATION L0002229    VOLUME  371930.879 3757502.164 30.90
  LOCATION L0002230    VOLUME  371930.647 3757497.170 30.89
  LOCATION L0002231    VOLUME  371930.415 3757492.175 30.88
  LOCATION L0002232    VOLUME  371930.184 3757487.181 30.87
  LOCATION L0002233    VOLUME  371929.952 3757482.186 30.85
  LOCATION L0002234    VOLUME  371929.720 3757477.191 30.83
  LOCATION L0002235    VOLUME  371929.489 3757472.197 30.82
  LOCATION L0002236    VOLUME  371929.257 3757467.202 30.80
  LOCATION L0002237    VOLUME  371929.025 3757462.207 30.79
  LOCATION L0002238    VOLUME  371928.793 3757457.213 30.77
  LOCATION L0002239    VOLUME  371928.562 3757452.218 30.75
  LOCATION L0002240    VOLUME  371928.330 3757447.224 30.73
  LOCATION L0002241    VOLUME  371928.098 3757442.229 30.72
  LOCATION L0002242    VOLUME  371927.866 3757437.234 30.70
  LOCATION L0002243    VOLUME  371927.635 3757432.240 30.68
  LOCATION L0002244    VOLUME  371927.403 3757427.245 30.67
  LOCATION L0002245    VOLUME  371927.171 3757422.250 30.66
  LOCATION L0002246    VOLUME  371926.939 3757417.256 30.66
  LOCATION L0002247    VOLUME  371926.708 3757412.261 30.65
  LOCATION L0002248    VOLUME  371926.476 3757407.267 30.64
  LOCATION L0002249    VOLUME  371926.244 3757402.272 30.64
** END OF LINE VOLUME SOURCE ID = S_OFF
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = N_TRVL
  SRCPARAM L0000682      0.025    3.66    2.33    1.16
  SRCPARAM L0000683      0.025    3.66    2.33    1.16
  SRCPARAM L0000684      0.025    3.66    2.33    1.16
  SRCPARAM L0000685      0.025    3.66    2.33    1.16
  SRCPARAM L0000686      0.025    3.66    2.33    1.16
  SRCPARAM L0000687      0.025    3.66    2.33    1.16
  SRCPARAM L0000688      0.025    3.66    2.33    1.16
  SRCPARAM L0000689      0.025    3.66    2.33    1.16
  SRCPARAM L0000690      0.025    3.66    2.33    1.16
  SRCPARAM L0000691      0.025    3.66    2.33    1.16
  SRCPARAM L0000692      0.025    3.66    2.33    1.16
  SRCPARAM L0000693      0.025    3.66    2.33    1.16
  SRCPARAM L0000694      0.025    3.66    2.33    1.16
  SRCPARAM L0000695      0.025    3.66    2.33    1.16
  SRCPARAM L0000696      0.025    3.66    2.33    1.16
  SRCPARAM L0000697      0.025    3.66    2.33    1.16
  SRCPARAM L0000698      0.025    3.66    2.33    1.16
  SRCPARAM L0000699      0.025    3.66    2.33    1.16
  SRCPARAM L0000700      0.025    3.66    2.33    1.16
  SRCPARAM L0000701      0.025    3.66    2.33    1.16
  SRCPARAM L0000702      0.025    3.66    2.33    1.16
  SRCPARAM L0000703      0.025    3.66    2.33    1.16
  SRCPARAM L0000704      0.025    3.66    2.33    1.16
  SRCPARAM L0000705      0.025    3.66    2.33    1.16
  SRCPARAM L0000706      0.025    3.66    2.33    1.16
  SRCPARAM L0000707      0.025    3.66    2.33    1.16
  SRCPARAM L0000708      0.025    3.66    2.33    1.16
  SRCPARAM L0000709      0.025    3.66    2.33    1.16
  SRCPARAM L0000710      0.025    3.66    2.33    1.16
  SRCPARAM L0000711      0.025    3.66    2.33    1.16
  SRCPARAM L0000712      0.025    3.66    2.33    1.16
  SRCPARAM L0000713      0.025    3.66    2.33    1.16
  SRCPARAM L0000714      0.025    3.66    2.33    1.16
  SRCPARAM L0000715      0.025    3.66    2.33    1.16
  SRCPARAM L0000716      0.025    3.66    2.33    1.16
  SRCPARAM L0000717      0.025    3.66    2.33    1.16
  SRCPARAM L0000718      0.025    3.66    2.33    1.16
  SRCPARAM L0000719      0.025    3.66    2.33    1.16
  SRCPARAM L0000720      0.025    3.66    2.33    1.16
  SRCPARAM L0000721      0.025    3.66    2.33    1.16
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** LINE VOLUME SOURCE ID = N_ONSITE
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  SRCPARAM L0000724    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000725    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000726    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000727    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000728    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000729    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000730    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000731    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000732    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000733    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000734    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000735    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000736    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000737    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000738    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000739    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000740    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000741    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000742    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000743    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000744    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000745    0.0149253731    3.66    2.33    1.16
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  SRCPARAM L0000747    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000748    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000749    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000750    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000751    0.0149253731    3.66    2.33    1.16
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  SRCPARAM L0000754    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000755    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000756    0.0149253731    3.66    2.33    1.16
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  SRCPARAM L0000760    0.0149253731    3.66    2.33    1.16
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  SRCPARAM L0000762    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000763    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000764    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000765    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000766    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000767    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000768    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000769    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000770    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000771    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000772    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000773    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000774    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000775    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000776    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000777    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000778    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000779    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000780    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000781    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000782    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000783    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000784    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000785    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000786    0.0149253731    3.66    2.33    1.16
  SRCPARAM L0000787    0.0149253731    3.66    2.33    1.16
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   SRCPARAM L0000788   0.0149253731   3.66   2.33   1.16
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   SRCPARAM L0000789   0.0112359551   3.66   2.33   1.16
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   SRCPARAM L0000791   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000792   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000793   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000794   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000795   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000796   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000797   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000798   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000799   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000800   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000801   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000802   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000803   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000804   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000805   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000806   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000807   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000808   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000809   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000810   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000811   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000812   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000813   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000814   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000815   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000816   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000817   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000818   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000819   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000820   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000821   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000822   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000823   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000824   0.0112359551   3.66   2.33   1.16
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   SRCPARAM L0000826   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000827   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000828   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000829   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000830   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000831   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000832   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000833   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000834   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000835   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000836   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000837   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000838   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000839   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000840   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000841   0.0112359551   3.66   2.33   1.16
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   SRCPARAM L0000843   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000844   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000845   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000846   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000847   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000848   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000849   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000850   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000851   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000852   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000853   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000854   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000855   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000856   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000857   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000858   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000859   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000860   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000861   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000862   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000863   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000864   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000865   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000866   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000867   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000868   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000869   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000870   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000871   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000872   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000873   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000874   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000875   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000876   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000877   0.0112359551   3.66   2.33   1.16
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** LINE VOLUME SOURCE ID = S_ONSITE
   SRCPARAM L0000878   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000879   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000880   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000881   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000882   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000883   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000884   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000885   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000886   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000887   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000888   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000889   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000890   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000891   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000892   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000893   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000894   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000895   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000896   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000897   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000898   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000899   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000900   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000901   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000902   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000903   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000904   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000905   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000906   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000907   0.0112359551   3.66   2.33   1.16
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   SRCPARAM L0000909   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000910   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000911   0.0112359551   3.66   2.33   1.16
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   SRCPARAM L0000913   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000914   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000915   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000916   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000917   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000918   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000919   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000920   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000921   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000922   0.0112359551   3.66   2.33   1.16
   SRCPARAM L0000923   0.0112359551   3.66   2.33   1.16
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   SRCPARAM L0000926    0.0112359551     3.66     2.33     1.16
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   SRCPARAM L0000931    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000932    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000933    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000934    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000935    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000936    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000937    0.0112359551     3.66     2.33     1.16
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   SRCPARAM L0000941    0.0112359551     3.66     2.33     1.16
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   SRCPARAM L0000944    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000945    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000946    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000947    0.0112359551     3.66     2.33     1.16
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   SRCPARAM L0000958    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000959    0.0112359551     3.66     2.33     1.16
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   SRCPARAM L0000962    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000963    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000964    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000965    0.0112359551     3.66     2.33     1.16
   SRCPARAM L0000966    0.0112359551     3.66     2.33     1.16
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   SRCPARAM IDLE1          1.0    3.658   477.594 46.5699657033753
0.1524
   SRCPARAM IDLE2          1.0    3.658   477.594 46.5699657033753
0.1524
   SRCPARAM IDLE3          1.0    3.658   477.594 46.5699657033753
0.1524
   SRCPARAM IDLE4          1.0    3.658   477.594 46.5699657033753
0.1524
   SRCPARAM IDLE5          1.0    3.658   477.594 46.5699657033753
0.1524
   SRCPARAM IDLE6          1.0    3.658   477.594 46.5699657033753
0.1524
   SRCPARAM IDLE7          1.0    3.658   477.594 46.5699657033753
0.1524
   SRCPARAM IDLE8          1.0    3.658   477.594 46.5699657033753
0.1524
   SRCPARAM IDLE9          1.0    3.658   477.594 46.5699657033753
0.1524
   SRCPARAM EGEN1          1.0    2.438   752.594   102.045    0.101
   SRCPARAM EGEN2          1.0    2.438   752.594   102.045    0.101
   SRCPARAM EGEN3          1.0    2.438   752.594   102.045    0.101
** LINE VOLUME SOURCE ID = N_OFF
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   SRCPARAM L0002430    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002431    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002432    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002433    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002434    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002435    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002436    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002437    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002438    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002439    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002440    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002441    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002442    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002443    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002444    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002445    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002446    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002447    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002448    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002449    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002450    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002451    0.0051282051     3.66     2.33     1.16
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   SRCPARAM L0002456    0.0051282051     3.66     2.33     1.16
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   SRCPARAM L0002458    0.0051282051     3.66     2.33     1.16
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   SRCPARAM L0002461    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002462    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002463    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002464    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002465    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002466    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002467    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002468    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002469    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002470    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002471    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002472    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002473    0.0051282051     3.66     2.33     1.16
   SRCPARAM L0002474    0.0051282051     3.66     2.33     1.16
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L0001887 L0001888
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   SRCGROUP E_OFF    L0001895 L0001896 L0001897 L0001898
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   SRCGROUP E_OFF    L0001925 L0001926 L0001927 L0001928
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   SRCGROUP E_OFF    L0001931 L0001932 L0001933 L0001934
L0001935 L0001936
   SRCGROUP E_OFF    L0001937 L0001938 L0001939 L0001940
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   SRCGROUP E_OFF    L0001943 L0001944 L0001945 L0001946
L0001947 L0001948
   SRCGROUP E_OFF    L0001949 L0001950 L0001951 L0001952
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   SRCGROUP E_OFF    L0001955 L0001956 L0001957 L0001958
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   SRCGROUP E_OFF    L0001961 L0001962 L0001963 L0001964
L0001965 L0001966
   SRCGROUP E_OFF    L0001967 L0001968 L0001969 L0001970
L0001971 L0001972
   SRCGROUP E_OFF    L0001973 L0001974 L0001975 L0001976
L0001977 L0001978
   SRCGROUP E_OFF    L0001979 L0001980 L0001981 L0001982
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   SRCGROUP E_OFF    L0001985 L0001986 L0001987 L0001988
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   SRCGROUP E_OFF    L0002021 L0002022 L0002023 L0002024
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   SRCGROUP IDLE6    IDLE6
   SRCGROUP IDLE7    IDLE7
   SRCGROUP IDLE8    IDLE8
   SRCGROUP IDLE9    IDLE9
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   SRCGROUP N_OFF    L0002439 L0002440 L0002441 L0002442
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L0002368 L0002369
  SRCGROUP W_OFF    L0002370 L0002371 L0002372 L0002373
L0002374 L0002375
  SRCGROUP W_OFF    L0002376 L0002377 L0002378 L0002379
L0002380 L0002381
  SRCGROUP W_OFF    L0002382 L0002383 L0002384 L0002385
L0002386 L0002387
  SRCGROUP W_OFF    L0002388 L0002389 L0002390 L0002391
L0002392 L0002393
  SRCGROUP W_OFF    L0002394 L0002395 L0002396 L0002397
L0002398 L0002399
  SRCGROUP W_OFF    L0002400 L0002401 L0002402 L0002403
L0002404 L0002405
  SRCGROUP W_OFF    L0002406 L0002407 L0002408 L0002409
L0002410 L0002411
  SRCGROUP W_OFF    L0002412 L0002413 L0002414 L0002415
L0002416 L0002417
  SRCGROUP W_OFF    L0002418 L0002419 L0002420 L0002421
L0002422 L0002423
  SRCGROUP W_OFF    L0002424 L0002425 L0002426
SO FINISHED
**
**********************************************
** AERMOD RECEPTOR PATHWAY
**********************************************
**
**
RE STARTING
  INCLUDED "9000 AIRPORT (OPTION 2).ROU"
RE FINISHED
**
**********************************************
** AERMOD METEOROLOGY PATHWAY
**********************************************
**
**
ME STARTING
  SURFFILE KLAX_SFC_PFL\KLAX_V11_TRIMMED.SFC
  PROFFILE KLAX_SFC_PFL\KLAX_V11_TRIMMED.PFL
  SURFDATA 23174 2019 LOS_ANGELES/INT'L_ARPT
  UAIRDATA 3190 2019
  PROFBASE 30.0 METERS
ME FINISHED
**
**********************************************
** AERMOD OUTPUT PATHWAY
**********************************************
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** AUTO-GENERATED PLOTFILES
  PLOTFILE   1 EGEN1 1ST "9000 AIRPORT (OPTION
2).AD\01H1G001.PLT" 31
  PLOTFILE   1 EGEN2 1ST "9000 AIRPORT (OPTION
2).AD\01H1G002.PLT" 32
  PLOTFILE   1 EGEN3 1ST "9000 AIRPORT (OPTION
2).AD\01H1G003.PLT" 33
  PLOTFILE   1 E_OFF 1ST "9000 AIRPORT (OPTION
2).AD\01H1G004.PLT" 34
  PLOTFILE   1 IDLE1 1ST "9000 AIRPORT (OPTION
2).AD\01H1G005.PLT" 35
  PLOTFILE   1 IDLE2 1ST "9000 AIRPORT (OPTION
2).AD\01H1G006.PLT" 36
  PLOTFILE   1 IDLE3 1ST "9000 AIRPORT (OPTION
2).AD\01H1G007.PLT" 37
  PLOTFILE   1 IDLE4 1ST "9000 AIRPORT (OPTION
2).AD\01H1G008.PLT" 38
  PLOTFILE   1 IDLE5 1ST "9000 AIRPORT (OPTION
2).AD\01H1G009.PLT" 39
```

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  PLOTFILE   1 IDLE6 1ST "9000 AIRPORT (OPTION
2).AD\01H1G010.PLT" 40
  PLOTFILE   1 IDLE7 1ST "9000 AIRPORT (OPTION
2).AD\01H1G011.PLT" 41
  PLOTFILE   1 IDLE8 1ST "9000 AIRPORT (OPTION
2).AD\01H1G012.PLT" 42
  PLOTFILE   1 IDLE9 1ST "9000 AIRPORT (OPTION
2).AD\01H1G013.PLT" 43
  PLOTFILE   1 N_OFF 1ST "9000 AIRPORT (OPTION
2).AD\01H1G014.PLT" 44
  PLOTFILE   1 N_ONSITE 1ST "9000 AIRPORT (OPTION
2).AD\01H1G015.PLT" 45
  PLOTFILE   1 N_TRVL 1ST "9000 AIRPORT (OPTION
2).AD\01H1G016.PLT" 46
  PLOTFILE   1 S_OFF 1ST "9000 AIRPORT (OPTION
2).AD\01H1G017.PLT" 47
  PLOTFILE   1 S_ONSITE 1ST "9000 AIRPORT (OPTION
2).AD\01H1G018.PLT" 48
  PLOTFILE   1 S_TRVL 1ST "9000 AIRPORT (OPTION
2).AD\01H1G019.PLT" 49
  PLOTFILE   1 W_OFF 1ST "9000 AIRPORT (OPTION
2).AD\01H1G020.PLT" 50
  PLOTFILE   PERIOD EGEN1 "9000 AIRPORT (OPTION
2).AD\PE00G001.PLT" 51
  PLOTFILE   PERIOD EGEN2 "9000 AIRPORT (OPTION
2).AD\PE00G002.PLT" 52
  PLOTFILE   PERIOD EGEN3 "9000 AIRPORT (OPTION
2).AD\PE00G003.PLT" 53
  PLOTFILE   PERIOD E_OFF "9000 AIRPORT (OPTION
2).AD\PE00G004.PLT" 54
  PLOTFILE   PERIOD IDLE1 "9000 AIRPORT (OPTION
2).AD\PE00G005.PLT" 55
  PLOTFILE   PERIOD IDLE2 "9000 AIRPORT (OPTION
2).AD\PE00G006.PLT" 56
  PLOTFILE   PERIOD IDLE3 "9000 AIRPORT (OPTION
2).AD\PE00G007.PLT" 57
  PLOTFILE   PERIOD IDLE4 "9000 AIRPORT (OPTION
2).AD\PE00G008.PLT" 58
  PLOTFILE   PERIOD IDLE5 "9000 AIRPORT (OPTION
2).AD\PE00G009.PLT" 59
  PLOTFILE   PERIOD IDLE6 "9000 AIRPORT (OPTION
2).AD\PE00G010.PLT" 60
  PLOTFILE   PERIOD IDLE7 "9000 AIRPORT (OPTION
2).AD\PE00G011.PLT" 61
  PLOTFILE   PERIOD IDLE8 "9000 AIRPORT (OPTION
2).AD\PE00G012.PLT" 62
  PLOTFILE   PERIOD IDLE9 "9000 AIRPORT (OPTION
2).AD\PE00G013.PLT" 63
  PLOTFILE   PERIOD N_OFF "9000 AIRPORT (OPTION
2).AD\PE00G014.PLT" 64
  PLOTFILE   PERIOD N_ONSITE "9000 AIRPORT (OPTION
2).AD\PE00G015.PLT" 65
  PLOTFILE   PERIOD N_TRVL "9000 AIRPORT (OPTION
2).AD\PE00G016.PLT" 66
  PLOTFILE   PERIOD S_OFF "9000 AIRPORT (OPTION
2).AD\PE00G017.PLT" 67
  PLOTFILE   PERIOD S_ONSITE "9000 AIRPORT (OPTION
2).AD\PE00G018.PLT" 68
  PLOTFILE   PERIOD S_TRVL "9000 AIRPORT (OPTION
2).AD\PE00G019.PLT" 69
  PLOTFILE   PERIOD W_OFF "9000 AIRPORT (OPTION
2).AD\PE00G020.PLT" 70
  SUMMFILE "9000 AIRPORT (OPTION 2).SUM"
OU FINISHED

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

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

A Total of         0 Fatal Error Message(s)
A Total of         5 Warning Message(s)
A Total of         0 Informational Message(s)


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


  ********  WARNING MESSAGES   ********
 SO W320    1569      PPARM: Input Parameter May Be Out-of-Range
for Parameter          VS
 SO W320    1570      PPARM: Input Parameter May Be Out-of-Range
for Parameter          VS
 SO W320    1571      PPARM: Input Parameter May Be Out-of-Range
for Parameter          VS
 ME W186    2563      MEOPEN: THRESH_1MIN 1-min ASOS wind
speed threshold used          0.50
 ME W187    2563      MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

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

```
 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       23:33:58

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

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

 ** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE  =  F
     * Model Uses NO WET DEPLETION. WETDPLT  =  F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for  1066
Source(s),
       for Total of    1 Urban Area(s):
   Urban Population =   9663345.0 ;  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 Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: SCALER

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

 **This Run Includes:   1066 Source(s);      20 Source Group(s); and
470 Receptor(s)

              with:     12 POINT(s), including
                        0 POINTCAP(s) and      0 POINTHOR(s)
               and:   1054 VOLUME source(s)
               and:      0 AREA type source(s)
               and:      0 LINE source(s)
               and:      0 RLINE/RLINEXT source(s)
               and:      0 OPENPIT source(s)
               and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
               and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  22112

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    30.00 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
              Emission Units = GRAMS/SEC                        ;
Emission Rate Unit Factor =   0.10000E+07
              Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.5 MB of RAM.

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

 **Detailed Error/Message File:   9000 AIRPORT (OPTION 2).ERR
 **File for Summary of Results:   9000 AIRPORT (OPTION 2).SUM
```

```
 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***        01/29/25
 *** AERMET - VERSION  22112 ***   ***
***        23:33:58

PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                *** POINT SOURCE DATA ***

            NUMBER EMISSION RATE                  BASE     STACK
STACK    STACK     STACK    BLDG   URBAN  CAP/  EMIS RATE
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.    HEIGHT
TEMP.   EXIT VEL. DIAMETER  EXISTS SOURCE HOR   SCALAR
    ID         CATS.              (METERS) (METERS) (METERS)  (METERS)
(DEG.K)  (M/SEC)  (METERS)                  VARY BY
 ----------------------------------------------------------
------------

 IDLE1           0   0.10000E+01  372060.0 3758043.0    32.8     3.66
477.59   46.57     0.15    NO     YES   NO
 IDLE2           0   0.10000E+01  372087.0 3758043.0    32.6     3.66
477.59   46.57     0.15    NO     YES   NO
 IDLE3           0   0.10000E+01  372117.0 3758043.0    32.6     3.66
477.59   46.57     0.15    NO     YES   NO
 IDLE4           0   0.10000E+01  372047.0 3757934.2    32.8     3.66
477.59   46.57     0.15    NO     YES   NO
 IDLE5           0   0.10000E+01  372047.0 3757909.2    32.9     3.66
477.59   46.57     0.15    NO     YES   NO
 IDLE6           0   0.10000E+01  372047.0 3757881.5    33.0     3.66
477.59   46.57     0.15    NO     YES   NO
 IDLE7           0   0.10000E+01  372110.9 3757934.0    32.7     3.66
477.59   46.57     0.15    NO     YES   NO
 IDLE8           0   0.10000E+01  372110.5 3757909.2    32.7     3.66
477.59   46.57     0.15    NO     YES   NO
 IDLE9           0   0.10000E+01  372112.0 3757881.5    32.7     3.66
477.59   46.57     0.15    NO     YES   NO
 EGEN1           0   0.10000E+01  372163.6 3757998.8    32.6     2.44
752.59   102.05    0.10    NO     YES   NO
 EGEN2           0   0.10000E+01  372147.3 3758111.9    32.7     2.44
752.59   102.05    0.10    NO     YES   NO
 EGEN3           0   0.10000E+01  372049.9 3757988.0    32.8     2.44
752.59   102.05    0.10    NO     YES   NO
```

```
 *** AERMOD - VERSION 24142  ***  ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***       01/29/25
 *** AERMET - VERSION  22112 ***  ***
***       23:33:58

PAGE  3
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  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
 ------------------------------------------------------------
--------

 L0000682       0  0.25000E-01  371971.4 3757997.2   32.4    3.66
2.33    1.16    YES               NO
 L0000683       0  0.25000E-01  371976.4 3757997.3   32.5    3.66
2.33    1.16    YES               NO
 L0000684       0  0.25000E-01  371981.4 3757997.4   32.7    3.66
2.33    1.16    YES               NO
 L0000685       0  0.25000E-01  371986.4 3757997.4   32.8    3.66
2.33    1.16    YES               NO
 L0000686       0  0.25000E-01  371991.4 3757997.5   32.8    3.66
2.33    1.16    YES               NO
 L0000687       0  0.25000E-01  371996.4 3757997.6   32.8    3.66
2.33    1.16    YES               NO
 L0000688       0  0.25000E-01  372001.4 3757997.6   32.7    3.66
2.33    1.16    YES               NO
 L0000689       0  0.25000E-01  372005.7 3757999.2   32.7    3.66
2.33    1.16    YES               NO
 L0000690       0  0.25000E-01  372008.8 3758003.1   32.7    3.66
2.33    1.16    YES               NO
 L0000691       0  0.25000E-01  372011.9 3758007.0   32.7    3.66
2.33    1.16    YES               NO
 L0000692       0  0.25000E-01  372015.1 3758010.9   32.7    3.66
2.33    1.16    YES               NO
 L0000693       0  0.25000E-01  372018.2 3758014.8   32.7    3.66
2.33    1.16    YES               NO
 L0000694       0  0.25000E-01  372021.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000695       0  0.25000E-01  372026.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000696       0  0.25000E-01  372031.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000697       0  0.25000E-01  372036.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000698       0  0.25000E-01  372041.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000699       0  0.25000E-01  372046.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000700       0  0.25000E-01  372051.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000701       0  0.25000E-01  372056.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000702       0  0.25000E-01  372061.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000703       0  0.25000E-01  372066.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000704       0  0.25000E-01  372071.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000705       0  0.25000E-01  372076.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000706       0  0.25000E-01  372081.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000707       0  0.25000E-01  372086.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000708       0  0.25000E-01  372091.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000709       0  0.25000E-01  372096.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000710       0  0.25000E-01  372101.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000711       0  0.25000E-01  372106.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000712       0  0.25000E-01  372111.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000713       0  0.25000E-01  372116.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000714       0  0.25000E-01  372121.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000715       0  0.25000E-01  372126.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000716       0  0.25000E-01  372131.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000717       0  0.25000E-01  372136.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000718       0  0.25000E-01  372141.6 3758018.2   32.9    3.66
2.33    1.16    YES               NO
 L0000719       0  0.25000E-01  372146.6 3758018.2   32.8    3.66
2.33    1.16    YES               NO
 L0000720       0  0.25000E-01  372151.6 3758018.2   32.7    3.66
2.33    1.16    YES               NO
 L0000721       0  0.25000E-01  372156.6 3758018.2   32.6    3.66
2.33    1.16    YES               NO
```

```
 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       23:33:58

PAGE   4
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - -

 L0000722       0  0.14925E-01  372054.2 3758046.8    32.9     3.66
2.33    1.16    YES                NO
 L0000723       0  0.14925E-01  372059.2 3758046.8    32.8     3.66
2.33    1.16    YES                NO
 L0000724       0  0.14925E-01  372064.2 3758046.8    32.8     3.66
2.33    1.16    YES                NO
 L0000725       0  0.14925E-01  372069.2 3758046.8    32.8     3.66
2.33    1.16    YES                NO
 L0000726       0  0.14925E-01  372074.2 3758046.8    32.7     3.66
2.33    1.16    YES                NO
 L0000727       0  0.14925E-01  372079.2 3758046.8    32.7     3.66
2.33    1.16    YES                NO
 L0000728       0  0.14925E-01  372084.2 3758046.8    32.6     3.66
2.33    1.16    YES                NO
 L0000729       0  0.14925E-01  372089.2 3758046.8    32.5     3.66
2.33    1.16    YES                NO
 L0000730       0  0.14925E-01  372094.2 3758046.8    32.5     3.66
2.33    1.16    YES                NO
 L0000731       0  0.14925E-01  372099.2 3758046.8    32.6     3.66
2.33    1.16    YES                NO
 L0000732       0  0.14925E-01  372104.2 3758046.8    32.6     3.66
2.33    1.16    YES                NO
 L0000733       0  0.14925E-01  372109.2 3758046.8    32.6     3.66
2.33    1.16    YES                NO
 L0000734       0  0.14925E-01  372114.2 3758046.8    32.6     3.66
2.33    1.16    YES                NO
 L0000735       0  0.14925E-01  372119.2 3758046.8    32.7     3.66
2.33    1.16    YES                NO
 L0000736       0  0.14925E-01  372124.2 3758046.8    32.7     3.66
2.33    1.16    YES                NO
 L0000737       0  0.14925E-01  372127.8 3758045.4    32.7     3.66
2.33    1.16    YES                NO
 L0000738       0  0.14925E-01  372128.0 3758040.4    32.7     3.66
2.33    1.16    YES                NO
 L0000739       0  0.14925E-01  372127.8 3758035.8    32.7     3.66
2.33    1.16    YES                NO
 L0000740       0  0.14925E-01  372122.8 3758035.9    32.7     3.66
2.33    1.16    YES                NO
 L0000741       0  0.14925E-01  372117.8 3758036.0    32.7     3.66
2.33    1.16    YES                NO
 L0000742       0  0.14925E-01  372112.8 3758036.1    32.6     3.66
2.33    1.16    YES                NO
 L0000743       0  0.14925E-01  372107.8 3758036.2    32.6     3.66
2.33    1.16    YES                NO
 L0000744       0  0.14925E-01  372102.8 3758036.3    32.6     3.66
2.33    1.16    YES                NO
 L0000745       0  0.14925E-01  372097.8 3758036.4    32.6     3.66
2.33    1.16    YES                NO
 L0000746       0  0.14925E-01  372092.8 3758036.5    32.6     3.66
2.33    1.16    YES                NO
 L0000747       0  0.14925E-01  372087.8 3758036.6    32.6     3.66
2.33    1.16    YES                NO
 L0000748       0  0.14925E-01  372082.8 3758036.7    32.6     3.66
2.33    1.16    YES                NO
 L0000749       0  0.14925E-01  372077.8 3758036.8    32.7     3.66
2.33    1.16    YES                NO
 L0000750       0  0.14925E-01  372072.8 3758036.9    32.7     3.66
2.33    1.16    YES                NO
 L0000751       0  0.14925E-01  372067.8 3758037.0    32.8     3.66
2.33    1.16    YES                NO
 L0000752       0  0.14925E-01  372062.8 3758037.1    32.8     3.66
2.33    1.16    YES                NO
 L0000753       0  0.14925E-01  372057.8 3758037.2    32.8     3.66
2.33    1.16    YES                NO
 L0000754       0  0.14925E-01  372053.3 3758036.7    32.8     3.66
2.33    1.16    YES                NO
 L0000755       0  0.14925E-01  372053.3 3758031.7    32.8     3.66
2.33    1.16    YES                NO
 L0000756       0  0.14925E-01  372053.3 3758026.7    32.8     3.66
2.33    1.16    YES                NO
 L0000757       0  0.14925E-01  372058.1 3758026.5    32.8     3.66
2.33    1.16    YES                NO
 L0000758       0  0.14925E-01  372063.1 3758026.5    32.8     3.66
2.33    1.16    YES                NO
 L0000759       0  0.14925E-01  372068.1 3758026.5    32.8     3.66
2.33    1.16    YES                NO
 L0000760       0  0.14925E-01  372073.1 3758026.5    32.8     3.66
2.33    1.16    YES                NO
 L0000761       0  0.14925E-01  372078.1 3758026.5    32.7     3.66
2.33    1.16    YES                NO
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 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***        01/29/25
 *** AERMET - VERSION  22112 ***   ***
***        23:33:58

      372362.50   3758362.50      15.20122  (22120501)
372387.50   3758362.50      15.00867  (20020220)
      372412.50   3758362.50      14.79086  (20020220)
372437.50   3758362.50      14.44697  (20020220)
      372462.50   3758362.50      14.10155  (20010120)
371837.50   3758387.50      14.83859  (19120720)
      371862.50   3758387.50      15.20216  (19120720)
371887.50   3758387.50      15.27454  (21010504)
      371937.50   3758387.50      15.78948  (19020320)
371962.50   3758387.50      15.95696  (22120119)
      371987.50   3758387.50      16.09181  (22120119)
372012.50   3758387.50      16.09941  (22020224)
      372037.50   3758387.50      16.16442  (20012420)
372062.50   3758387.50      16.21194  (20012420)
      372087.50   3758387.50      16.26112  (20010121)
372112.50   3758387.50      16.07386  (23012819)
      372137.50   3758387.50      15.91908  (19092722)
372162.50   3758387.50      16.13107  (19092722)
      372187.50   3758387.50      16.08373  (19091722)
372212.50   3758387.50      16.09845  (22022818)
      372237.50   3758387.50      15.90942  (22022818)
372262.50   3758387.50      15.74523  (19123019)
      372287.50   3758387.50      15.53533  (19123019)
372312.50   3758387.50      15.11058  (19123019)
      372337.50   3758387.50      14.88655  (19092421)
372362.50   3758387.50      14.67142  (22120501)
      372387.50   3758387.50      14.37056  (23020421)
372412.50   3758387.50      14.20110  (20020220)
      372437.50   3758387.50      14.00966  (20020220)
372462.50   3758387.50      13.70280  (20020220)
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 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       23:33:58

PAGE 294
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE SUMMARY OF MAXIMUM PERIOD (
43824 HRS) RESULTS ***


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


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

EGEN1    1ST HIGHEST VALUE IS     52.43904 AT (  372212.50,
3758012.50,   31.75,   31.75,   0.00)  DC
       2ND HIGHEST VALUE IS     49.56060 AT (  372237.50,
3758012.50,   31.49,   31.49,   0.00)  DC
       3RD HIGHEST VALUE IS     41.47812 AT (  372262.50,
3758012.50,   31.83,   31.83,   0.00)  DC
       4TH HIGHEST VALUE IS     38.61010 AT (  372262.50,
3758037.50,   31.72,   31.72,   0.00)  DC
       5TH HIGHEST VALUE IS     36.36764 AT (  372237.50,
3758037.50,   31.54,   31.54,   0.00)  DC
       6TH HIGHEST VALUE IS     34.52407 AT (  372287.50,
3758037.50,   31.60,   31.60,   0.00)  DC
       7TH HIGHEST VALUE IS     32.76786 AT (  372287.50,
3758012.50,   31.63,   31.63,   0.00)  DC
       8TH HIGHEST VALUE IS     29.56195 AT (  372312.50,
3758037.50,   31.56,   31.56,   0.00)  DC
       9TH HIGHEST VALUE IS     26.58428 AT (  372312.50,
3758012.50,   31.68,   31.68,   0.00)  DC
      10TH HIGHEST VALUE IS     25.61525 AT (  372287.50,
3758062.50,   31.64,   31.64,   0.00)  DC

EGEN2    1ST HIGHEST VALUE IS     51.78854 AT (  372212.50,
3758137.50,   32.51,   32.51,   0.00)  DC
       2ND HIGHEST VALUE IS     45.93082 AT (  372237.50,
3758137.50,   31.90,   31.90,   0.00)  DC
       3RD HIGHEST VALUE IS     43.13233 AT (  372212.50,
3758112.50,   32.30,   32.30,   0.00)  DC
       4TH HIGHEST VALUE IS     38.42411 AT (  372262.50,
3758137.50,   31.90,   31.90,   0.00)  DC
       5TH HIGHEST VALUE IS     35.03498 AT (  372237.50,
3758112.50,   31.82,   31.82,   0.00)  DC
       6TH HIGHEST VALUE IS     32.97036 AT (  372187.50,
3758137.50,   32.46,   32.46,   0.00)  DC
       7TH HIGHEST VALUE IS     31.86400 AT (  372262.50,
3758162.50,   31.87,   31.87,   0.00)  DC
       8TH HIGHEST VALUE IS     31.35323 AT (  372287.50,
3758137.50,   31.83,   31.83,   0.00)  DC
       9TH HIGHEST VALUE IS     30.42857 AT (  372237.50,
3758162.50,   31.83,   31.83,   0.00)  DC
      10TH HIGHEST VALUE IS     29.57879 AT (  372287.50,
3758162.50,   31.88,   31.88,   0.00)  DC

EGEN3    1ST HIGHEST VALUE IS     26.43707 AT (  372212.50,
3758037.50,   31.75,   31.75,   0.00)  DC
       2ND HIGHEST VALUE IS     25.96901 AT (  372212.50,
3758012.50,   31.75,   31.75,   0.00)  DC
       3RD HIGHEST VALUE IS     22.81914 AT (  372237.50,
3758037.50,   31.54,   31.54,   0.00)  DC
       4TH HIGHEST VALUE IS     21.78129 AT (  372212.50,
3758062.50,   31.87,   31.87,   0.00)  DC
       5TH HIGHEST VALUE IS     21.42551 AT (  372237.50,
3758012.50,   31.49,   31.49,   0.00)  DC
       6TH HIGHEST VALUE IS     20.33854 AT (  372237.50,
3758062.50,   31.62,   31.62,   0.00)  DC
       7TH HIGHEST VALUE IS     19.87842 AT (  372262.50,
3758037.50,   31.72,   31.72,   0.00)  DC
       8TH HIGHEST VALUE IS     19.60995 AT (  372212.50,
3757987.50,   31.83,   31.83,   0.00)  DC
       9TH HIGHEST VALUE IS     18.65502 AT (  372262.50,
3758062.50,   31.66,   31.66,   0.00)  DC
      10TH HIGHEST VALUE IS     18.28170 AT (  372262.50,
3758012.50,   31.83,   31.83,   0.00)  DC

E_OFF    1ST HIGHEST VALUE IS     49.36777 AT (  372212.50,
3757787.50,   31.32,   31.32,   0.00)  DC
       2ND HIGHEST VALUE IS     49.28284 AT (  372237.50,
3757787.50,   31.51,   31.51,   0.00)  DC
       3RD HIGHEST VALUE IS     49.16525 AT (  372262.50,
3757787.50,   31.47,   31.47,   0.00)  DC
       4TH HIGHEST VALUE IS     49.01708 AT (  372287.50,
3757787.50,   31.16,   31.16,   0.00)  DC
       5TH HIGHEST VALUE IS     48.89704 AT (  372312.50,
3757787.50,   31.36,   31.36,   0.00)  DC
       6TH HIGHEST VALUE IS     48.74479 AT (  372337.50,
3757787.50,   31.42,   31.42,   0.00)  DC
       7TH HIGHEST VALUE IS     48.58719 AT (  372362.50,
3757787.50,   31.13,   40.23,   0.00)  DC
       8TH HIGHEST VALUE IS     48.41335 AT (  372387.50,
3757787.50,   31.01,   40.32,   0.00)  DC
       9TH HIGHEST VALUE IS     48.21871 AT (  372412.50,
3757787.50,   30.89,   40.32,   0.00)  DC
      10TH HIGHEST VALUE IS     47.94832 AT (  372437.50,
3757787.50,   30.76,   40.32,   0.00)  DC
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 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       23:33:58

PAGE 295
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE SUMMARY OF MAXIMUM PERIOD (
43824 HRS) RESULTS ***


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


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

IDLE1    1ST HIGHEST VALUE IS     33.49216 AT (  372212.50,
3758087.50,   32.07,   32.07,   0.00)  DC
       2ND HIGHEST VALUE IS     31.57949 AT (  372212.50,
3758062.50,   31.87,   31.87,   0.00)  DC
       3RD HIGHEST VALUE IS     28.25724 AT (  372237.50,
3758087.50,   31.72,   31.72,   0.00)  DC
       4TH HIGHEST VALUE IS     28.20256 AT (  372212.50,
3758112.50,   32.30,   32.30,   0.00)  DC
       5TH HIGHEST VALUE IS     25.82156 AT (  372237.50,
3758062.50,   31.62,   31.62,   0.00)  DC
       6TH HIGHEST VALUE IS     25.64120 AT (  372237.50,
3758112.50,   31.82,   31.82,   0.00)  DC
       7TH HIGHEST VALUE IS     24.10475 AT (  372262.50,
3758087.50,   31.71,   31.71,   0.00)  DC
       8TH HIGHEST VALUE IS     23.08279 AT (  372262.50,
3758112.50,   31.82,   31.82,   0.00)  DC
       9TH HIGHEST VALUE IS     22.60807 AT (  372212.50,
3758037.50,   31.75,   31.75,   0.00)  DC
      10TH HIGHEST VALUE IS     21.65260 AT (  372262.50,
3758062.50,   31.66,   31.66,   0.00)  DC

IDLE2    1ST HIGHEST VALUE IS     39.95656 AT (  372212.50,
3758062.50,   31.87,   31.87,   0.00)  DC
       2ND HIGHEST VALUE IS     39.43012 AT (  372212.50,
3758087.50,   32.07,   32.07,   0.00)  DC
       3RD HIGHEST VALUE IS     33.79227 AT (  372237.50,
3758087.50,   31.72,   31.72,   0.00)  DC
       4TH HIGHEST VALUE IS     32.11581 AT (  372237.50,
3758062.50,   31.62,   31.62,   0.00)  DC
       5TH HIGHEST VALUE IS     29.13593 AT (  372212.50,
3758112.50,   32.30,   32.30,   0.00)  DC
       6TH HIGHEST VALUE IS     28.87689 AT (  372262.50,
3758087.50,   31.71,   31.71,   0.00)  DC
       7TH HIGHEST VALUE IS     28.08844 AT (  372237.50,
3758112.50,   31.82,   31.82,   0.00)  DC
       8TH HIGHEST VALUE IS     27.27655 AT (  372212.50,
3758037.50,   31.75,   31.75,   0.00)  DC
       9TH HIGHEST VALUE IS     26.49646 AT (  372262.50,
3758062.50,   31.66,   31.66,   0.00)  DC
      10TH HIGHEST VALUE IS     26.07086 AT (  372262.50,
3758112.50,   31.82,   31.82,   0.00)  DC

IDLE3    1ST HIGHEST VALUE IS     50.80220 AT (  372212.50,
3758062.50,   31.87,   31.87,   0.00)  DC
       2ND HIGHEST VALUE IS     42.43531 AT (  372212.50,
3758087.50,   32.07,   32.07,   0.00)  DC
       3RD HIGHEST VALUE IS     40.97126 AT (  372237.50,
3758062.50,   31.62,   31.62,   0.00)  DC
       4TH HIGHEST VALUE IS     39.46174 AT (  372237.50,
3758087.50,   31.72,   31.72,   0.00)  DC
       5TH HIGHEST VALUE IS     34.69801 AT (  372262.50,
3758087.50,   31.71,   31.71,   0.00)  DC
       6TH HIGHEST VALUE IS     33.39540 AT (  372262.50,
3758062.50,   31.66,   31.66,   0.00)  DC
       7TH HIGHEST VALUE IS     32.37162 AT (  372212.50,
3758037.50,   31.75,   31.75,   0.00)  DC
       8TH HIGHEST VALUE IS     29.72932 AT (  372287.50,
3758087.50,   31.70,   31.70,   0.00)  DC
       9TH HIGHEST VALUE IS     28.25841 AT (  372262.50,
3758112.50,   31.82,   31.82,   0.00)  DC
      10TH HIGHEST VALUE IS     28.10201 AT (  372237.50,
3758112.50,   31.82,   31.82,   0.00)  DC

IDLE4    1ST HIGHEST VALUE IS     30.09252 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       2ND HIGHEST VALUE IS     29.85707 AT (  372212.50,
3757987.50,   31.83,   31.83,   0.00)  DC
       3RD HIGHEST VALUE IS     25.64980 AT (  372237.50,
3757987.50,   31.44,   31.44,   0.00)  DC
       4TH HIGHEST VALUE IS     24.71674 AT (  372237.50,
3757962.50,   31.40,   31.40,   0.00)  DC
       5TH HIGHEST VALUE IS     24.56837 AT (  372212.50,
3758012.50,   31.75,   31.75,   0.00)  DC
       6TH HIGHEST VALUE IS     23.97840 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
       7TH HIGHEST VALUE IS     22.79723 AT (  372237.50,
3758012.50,   31.49,   31.49,   0.00)  DC
       8TH HIGHEST VALUE IS     22.45069 AT (  372262.50,
3757987.50,   31.81,   31.81,   0.00)  DC
       9TH HIGHEST VALUE IS     21.07492 AT (  372262.50,
3757962.50,   31.75,   31.75,   0.00)  DC
      10TH HIGHEST VALUE IS     20.97779 AT (  372262.50,
3758012.50,   31.83,   31.83,   0.00)  DC
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 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       23:33:58

PAGE 296
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE SUMMARY OF MAXIMUM PERIOD (
43824 HRS) RESULTS ***


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


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

IDLE5    1ST HIGHEST VALUE IS     29.99965 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
       2ND HIGHEST VALUE IS     29.77196 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       3RD HIGHEST VALUE IS     25.54201 AT (  372237.50,
3757962.50,   31.40,   31.40,   0.00)  DC
       4TH HIGHEST VALUE IS     24.62199 AT (  372237.50,
3757937.50,   31.36,   31.36,   0.00)  DC
       5TH HIGHEST VALUE IS     24.54244 AT (  372212.50,
3757987.50,   31.83,   31.83,   0.00)  DC
       6TH HIGHEST VALUE IS     23.87954 AT (  372212.50,
3757912.50,   31.81,   31.81,   0.00)  DC
       7TH HIGHEST VALUE IS     22.68754 AT (  372237.50,
3757987.50,   31.44,   31.44,   0.00)  DC
       8TH HIGHEST VALUE IS     22.35760 AT (  372262.50,
3757962.50,   31.75,   31.75,   0.00)  DC
       9TH HIGHEST VALUE IS     21.01108 AT (  372262.50,
3757937.50,   31.72,   31.72,   0.00)  DC
      10TH HIGHEST VALUE IS     20.90816 AT (  372262.50,
3757987.50,   31.81,   31.81,   0.00)  DC

IDLE6    1ST HIGHEST VALUE IS     30.13791 AT (  372212.50,
3757912.50,   31.81,   31.81,   0.00)  DC
       2ND HIGHEST VALUE IS     29.28500 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
       3RD HIGHEST VALUE IS     25.27658 AT (  372237.50,
3757937.50,   31.36,   31.36,   0.00)  DC
       4TH HIGHEST VALUE IS     24.78853 AT (  372237.50,
3757912.50,   31.29,   31.29,   0.00)  DC
       5TH HIGHEST VALUE IS     24.54850 AT (  372212.50,
3757887.50,   31.71,   31.71,   0.00)  DC
       6TH HIGHEST VALUE IS     23.79220 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       7TH HIGHEST VALUE IS     22.24284 AT (  372262.50,
3757937.50,   31.72,   31.72,   0.00)  DC
       8TH HIGHEST VALUE IS     22.14487 AT (  372237.50,
3757962.50,   31.40,   31.40,   0.00)  DC
       9TH HIGHEST VALUE IS     21.14183 AT (  372262.50,
3757912.50,   31.57,   31.57,   0.00)  DC
      10TH HIGHEST VALUE IS     20.53410 AT (  372262.50,
3757962.50,   31.75,   31.75,   0.00)  DC

IDLE7    1ST HIGHEST VALUE IS     48.58220 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       2ND HIGHEST VALUE IS     39.86647 AT (  372237.50,
3757962.50,   31.40,   31.40,   0.00)  DC
       3RD HIGHEST VALUE IS     39.49956 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
       4TH HIGHEST VALUE IS     35.85274 AT (  372212.50,
3757987.50,   31.83,   31.83,   0.00)  DC
       5TH HIGHEST VALUE IS     34.76661 AT (  372237.50,
3757987.50,   31.44,   31.44,   0.00)  DC
       6TH HIGHEST VALUE IS     33.48308 AT (  372262.50,
3757962.50,   31.75,   31.75,   0.00)  DC
       7TH HIGHEST VALUE IS     32.11637 AT (  372262.50,
3757987.50,   31.81,   31.81,   0.00)  DC
       8TH HIGHEST VALUE IS     31.63015 AT (  372237.50,
3757937.50,   31.36,   31.36,   0.00)  DC
       9TH HIGHEST VALUE IS     27.93947 AT (  372287.50,
3757987.50,   31.57,   31.57,   0.00)  DC
      10TH HIGHEST VALUE IS     27.52358 AT (  372287.50,
3757962.50,   31.51,   31.51,   0.00)  DC

IDLE8    1ST HIGHEST VALUE IS     48.40654 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
       2ND HIGHEST VALUE IS     39.61502 AT (  372237.50,
3757937.50,   31.36,   31.36,   0.00)  DC
       3RD HIGHEST VALUE IS     39.08236 AT (  372212.50,
3757912.50,   31.81,   31.81,   0.00)  DC
       4TH HIGHEST VALUE IS     35.96476 AT (  372212.50,
3757962.50,   31.85,   31.85,   0.00)  DC
       5TH HIGHEST VALUE IS     34.67893 AT (  372237.50,
3757962.50,   31.40,   31.40,   0.00)  DC
       6TH HIGHEST VALUE IS     33.28861 AT (  372262.50,
3757937.50,   31.72,   31.72,   0.00)  DC
       7TH HIGHEST VALUE IS     31.97551 AT (  372262.50,
3757962.50,   31.75,   31.75,   0.00)  DC
       8TH HIGHEST VALUE IS     31.29993 AT (  372237.50,
3757912.50,   31.29,   31.29,   0.00)  DC
       9TH HIGHEST VALUE IS     27.81100 AT (  372287.50,
3757962.50,   31.51,   31.51,   0.00)  DC
      10TH HIGHEST VALUE IS     27.35434 AT (  372287.50,
3757937.50,   31.46,   31.46,   0.00)  DC
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 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       23:33:58

PAGE 297
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE SUMMARY OF MAXIMUM PERIOD (
43824 HRS) RESULTS ***


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


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

IDLE9    1ST HIGHEST VALUE IS     48.07080 AT (  372212.50,
3757912.50,   31.81,   31.81,   0.00)  DC
       2ND HIGHEST VALUE IS     41.33690 AT (  372212.50,
3757887.50,   31.71,   31.71,   0.00)  DC
       3RD HIGHEST VALUE IS     39.92615 AT (  372237.50,
3757912.50,   31.29,   31.29,   0.00)  DC
       4TH HIGHEST VALUE IS     34.00193 AT (  372212.50,
3757937.50,   31.85,   31.85,   0.00)  DC
       5TH HIGHEST VALUE IS     33.69610 AT (  372262.50,
3757912.50,   31.57,   31.57,   0.00)  DC
       6TH HIGHEST VALUE IS     33.64017 AT (  372237.50,
3757937.50,   31.36,   31.36,   0.00)  DC
       7TH HIGHEST VALUE IS     32.95608 AT (  372237.50,
3757887.50,   31.22,   31.22,   0.00)  DC
       8TH HIGHEST VALUE IS     31.55871 AT (  372262.50,
3757937.50,   31.72,   31.72,   0.00)  DC
       9TH HIGHEST VALUE IS     27.80786 AT (  372287.50,
3757912.50,   31.32,   31.32,   0.00)  DC
      10TH HIGHEST VALUE IS     27.70774 AT (  372287.50,
3757937.50,   31.46,   31.46,   0.00)  DC

N_OFF    1ST HIGHEST VALUE IS     60.11111 AT (  372012.50,
3757762.50,   31.63,   31.63,   0.00)  DC
       2ND HIGHEST VALUE IS     58.90649 AT (  371987.50,
3757762.50,   31.67,   31.67,   0.00)  DC
       3RD HIGHEST VALUE IS     54.29225 AT (  371987.50,
3758262.50,   33.37,   33.37,   0.00)  DC
       4TH HIGHEST VALUE IS     54.25808 AT (  371987.50,
3758287.50,   33.43,   33.43,   0.00)  DC
       5TH HIGHEST VALUE IS     54.23851 AT (  371987.50,
3758237.50,   33.44,   33.44,   0.00)  DC
       6TH HIGHEST VALUE IS     53.97630 AT (  371987.50,
3758212.50,   33.37,   33.37,   0.00)  DC
       7TH HIGHEST VALUE IS     53.59417 AT (  371987.50,
3758187.50,   33.32,   33.32,   0.00)  DC
       8TH HIGHEST VALUE IS     53.10986 AT (  371987.50,
3758162.50,   33.11,   33.11,   0.00)  DC
       9TH HIGHEST VALUE IS     52.60333 AT (  371962.50,
3757762.50,   31.38,   31.38,   0.00)  DC
      10TH HIGHEST VALUE IS     52.44171 AT (  371987.50,
3758312.50,   32.64,   32.64,   0.00)  DC

N_ONSITE  1ST HIGHEST VALUE IS     96.59534 AT (  372212.50,
3758062.50,   31.87,   31.87,   0.00)  DC
       2ND HIGHEST VALUE IS     89.56925 AT (  372212.50,
3758037.50,   31.75,   31.75,   0.00)  DC
       3RD HIGHEST VALUE IS     77.49285 AT (  372212.50,
3758087.50,   32.07,   32.07,   0.00)  DC
       4TH HIGHEST VALUE IS     69.78278 AT (  372237.50,
3758062.50,   31.62,   31.62,   0.00)  DC
       5TH HIGHEST VALUE IS     62.40270 AT (  372237.50,
3758037.50,   31.54,   31.54,   0.00)  DC
       6TH HIGHEST VALUE IS     62.12199 AT (  372237.50,
3758087.50,   31.72,   31.72,   0.00)  DC
       7TH HIGHEST VALUE IS     61.14950 AT (  372212.50,
3758012.50,   31.75,   31.75,   0.00)  DC
       8TH HIGHEST VALUE IS     53.23615 AT (  372212.50,
3758112.50,   32.30,   32.30,   0.00)  DC
       9TH HIGHEST VALUE IS     52.53911 AT (  372262.50,
3758062.50,   31.66,   31.66,   0.00)  DC
      10TH HIGHEST VALUE IS     49.97583 AT (  372262.50,
3758087.50,   31.71,   31.71,   0.00)  DC

N_TRVL   1ST HIGHEST VALUE IS     91.60205 AT (  372212.50,
3758037.50,   31.75,   31.75,   0.00)  DC
       2ND HIGHEST VALUE IS     74.41702 AT (  372212.50,
3758062.50,   31.87,   31.87,   0.00)  DC
       3RD HIGHEST VALUE IS     71.22688 AT (  372212.50,
3758012.50,   31.75,   31.75,   0.00)  DC
       4TH HIGHEST VALUE IS     62.54627 AT (  372237.50,
3758037.50,   31.54,   31.54,   0.00)  DC
       5TH HIGHEST VALUE IS     58.49390 AT (  372237.50,
3758062.50,   31.62,   31.62,   0.00)  DC
       6TH HIGHEST VALUE IS     52.12502 AT (  372212.50,
3758087.50,   32.07,   32.07,   0.00)  DC
       7TH HIGHEST VALUE IS     49.42761 AT (  372237.50,
3758012.50,   31.49,   31.49,   0.00)  DC
       8TH HIGHEST VALUE IS     45.99018 AT (  372262.50,
3758062.50,   31.66,   31.66,   0.00)  DC
       9TH HIGHEST VALUE IS     45.77565 AT (  372262.50,
3758037.50,   31.72,   31.72,   0.00)  DC
      10TH HIGHEST VALUE IS     45.74467 AT (  372237.50,
3758087.50,   31.72,   31.72,   0.00)  DC
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 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       23:33:58

PAGE 298
 *** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                          *** THE SUMMARY OF MAXIMUM PERIOD (
43824 HRS) RESULTS ***


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


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

S_OFF     1ST HIGHEST VALUE IS     84.94554 AT (  371962.50,
3757762.50,    31.38,    31.38,    0.00)  DC
       2ND HIGHEST VALUE IS     84.74206 AT (  371962.50,
3757737.50,    31.54,    31.54,    0.00)  DC
       3RD HIGHEST VALUE IS     84.19433 AT (  371962.50,
3757712.50,    31.57,    31.57,    0.00)  DC
       4TH HIGHEST VALUE IS     83.40746 AT (  371962.50,
3757687.50,    31.37,    31.37,    0.00)  DC
       5TH HIGHEST VALUE IS     62.35189 AT (  371987.50,
3757762.50,    31.67,    31.67,    0.00)  DC
       6TH HIGHEST VALUE IS     61.37766 AT (  371987.50,
3757737.50,    31.91,    31.91,    0.00)  DC
       7TH HIGHEST VALUE IS     60.48433 AT (  371987.50,
3757712.50,    31.74,    31.74,    0.00)  DC
       8TH HIGHEST VALUE IS     59.54128 AT (  371987.50,
3757687.50,    31.47,    31.47,    0.00)  DC
       9TH HIGHEST VALUE IS     44.69624 AT (  372012.50,
3757762.50,    31.63,    31.63,    0.00)  DC
      10TH HIGHEST VALUE IS     44.21408 AT (  372012.50,
3757737.50,    31.74,    31.74,    0.00)  DC

S_ONSITE  1ST HIGHEST VALUE IS     77.88211 AT (  372212.50,
3757937.50,    31.85,    31.85,    0.00)  DC
       2ND HIGHEST VALUE IS     71.72458 AT (  372212.50,
3757962.50,    31.85,    31.85,    0.00)  DC
       3RD HIGHEST VALUE IS     69.12472 AT (  372212.50,
3757912.50,    31.81,    31.81,    0.00)  DC
       4TH HIGHEST VALUE IS     57.47708 AT (  372237.50,
3757937.50,    31.36,    31.36,    0.00)  DC
       5TH HIGHEST VALUE IS     55.83757 AT (  372237.50,
3757962.50,    31.40,    31.40,    0.00)  DC
       6TH HIGHEST VALUE IS     55.30432 AT (  372212.50,
3757987.50,    31.83,    31.83,    0.00)  DC
       7TH HIGHEST VALUE IS     51.47411 AT (  372212.50,
3757887.50,    31.71,    31.71,    0.00)  DC
       8TH HIGHEST VALUE IS     50.33069 AT (  372237.50,
3757912.50,    31.29,    31.29,    0.00)  DC
       9TH HIGHEST VALUE IS     46.81438 AT (  372237.50,
3757987.50,    31.44,    31.44,    0.00)  DC
      10TH HIGHEST VALUE IS     44.75897 AT (  372262.50,
3757962.50,    31.75,    31.75,    0.00)  DC

S_TRVL    1ST HIGHEST VALUE IS     49.62103 AT (  372212.50,
3757937.50,    31.85,    31.85,    0.00)  DC
       2ND HIGHEST VALUE IS     49.20712 AT (  372212.50,
3757962.50,    31.85,    31.85,    0.00)  DC
       3RD HIGHEST VALUE IS     48.75006 AT (  372212.50,
3757912.50,    31.81,    31.81,    0.00)  DC
       4TH HIGHEST VALUE IS     47.39740 AT (  372212.50,
3757987.50,    31.83,    31.83,    0.00)  DC
       5TH HIGHEST VALUE IS     46.10522 AT (  372212.50,
3757887.50,    31.71,    31.71,    0.00)  DC
       6TH HIGHEST VALUE IS     43.10851 AT (  372212.50,
3758012.50,    31.75,    31.75,    0.00)  DC
       7TH HIGHEST VALUE IS     41.17590 AT (  372212.50,
3757862.50,    31.80,    31.80,    0.00)  DC
       8TH HIGHEST VALUE IS     39.70125 AT (  372237.50,
3757962.50,    31.40,    31.40,    0.00)  DC
       9TH HIGHEST VALUE IS     39.66165 AT (  372237.50,
3757937.50,    31.36,    31.36,    0.00)  DC
      10TH HIGHEST VALUE IS     38.51386 AT (  372237.50,
3757987.50,    31.44,    31.44,    0.00)  DC

W_OFF     1ST HIGHEST VALUE IS     55.79921 AT (  371862.50,
3757812.50,    32.33,    32.33,    0.00)  DC
       2ND HIGHEST VALUE IS     54.02443 AT (  371837.50,
3757812.50,    32.35,    32.35,    0.00)  DC
       3RD HIGHEST VALUE IS     53.13722 AT (  371812.50,
3757812.50,    31.81,    31.81,    0.00)  DC
       4TH HIGHEST VALUE IS     49.14887 AT (  371962.50,
3757762.50,    31.38,    31.38,    0.00)  DC
       5TH HIGHEST VALUE IS     41.34992 AT (  371862.50,
3757837.50,    32.37,    32.37,    0.00)  DC
       6TH HIGHEST VALUE IS     38.69133 AT (  371837.50,
3757837.50,    32.48,    32.48,    0.00)  DC
       7TH HIGHEST VALUE IS     33.87035 AT (  371987.50,
3757762.50,    31.67,    31.67,    0.00)  DC
       8TH HIGHEST VALUE IS     33.78512 AT (  371862.50,
3757862.50,    32.30,    32.30,    0.00)  DC
       9TH HIGHEST VALUE IS     30.71425 AT (  371837.50,
3757862.50,    32.37,    32.37,    0.00)  DC
      10TH HIGHEST VALUE IS     26.57865 AT (  371962.50,
3757737.50,    31.54,    31.54,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

```
 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***       01/29/25
 *** AERMET - VERSION  22112 ***   ***
***       23:33:58

PAGE 299
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


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

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

EGEN1    HIGH   1ST HIGH VALUE IS     515.51627  ON 21041819: AT
(  372212.50,  3757987.50,    31.83,    31.83,    0.00)  DC

EGEN2    HIGH   1ST HIGH VALUE IS     580.59569  ON 22121107: AT
(  372187.50,  3758137.50,    32.46,    32.46,    0.00)  DC

EGEN3    HIGH   1ST HIGH VALUE IS     136.83110  ON 19092521: AT
(  371937.50,  3758087.50,    32.67,    32.67,    0.00)  DC

E_OFF    HIGH   1ST HIGH VALUE IS     243.84151  ON 20080702: AT (
371962.50,  3757762.50,    31.38,    31.38,    0.00)  DC

IDLE1    HIGH   1ST HIGH VALUE IS     183.51984  ON 23011007: AT (
372062.50,  3758162.50,    33.14,    33.14,    0.00)  DC

IDLE2    HIGH   1ST HIGH VALUE IS     184.05784  ON 23011007: AT (
372087.50,  3758162.50,    32.86,    32.86,    0.00)  DC

IDLE3    HIGH   1ST HIGH VALUE IS     227.06439  ON 22042420: AT (
372212.50,  3758037.50,    31.75,    31.75,    0.00)  DC

IDLE4    HIGH   1ST HIGH VALUE IS     122.46836  ON 19022718: AT (
372212.50,  3757937.50,    31.85,    31.85,    0.00)  DC

IDLE5    HIGH   1ST HIGH VALUE IS     132.83746  ON 22011519: AT (
372012.50,  3757762.50,    31.63,    31.63,    0.00)  DC

IDLE6    HIGH   1ST HIGH VALUE IS     163.25657  ON 22012122: AT (
372012.50,  3757762.50,    31.63,    31.63,    0.00)  DC

IDLE7    HIGH   1ST HIGH VALUE IS     216.02214  ON 23120118: AT (
372212.50,  3757937.50,    31.85,    31.85,    0.00)  DC

IDLE8    HIGH   1ST HIGH VALUE IS     214.29534  ON 23120118: AT (
372212.50,  3757912.50,    31.81,    31.81,    0.00)  DC

IDLE9    HIGH   1ST HIGH VALUE IS     215.78632  ON 22120518: AT (
372212.50,  3757887.50,    31.71,    31.71,    0.00)  DC

N_OFF    HIGH   1ST HIGH VALUE IS     330.80973  ON 20080702: AT
(  371987.50,  3757762.50,    31.67,    31.67,    0.00)  DC

N_ONSITE HIGH   1ST HIGH VALUE IS     454.34062  ON 23091118:
AT (  372212.50,  3758062.50,    31.87,    31.87,    0.00)  DC

N_TRVL   HIGH   1ST HIGH VALUE IS     409.46200  ON 23121716: AT
(  372212.50,  3758037.50,    31.75,    31.75,    0.00)  DC

S_OFF    HIGH   1ST HIGH VALUE IS     297.27267  ON 20080702: AT (
371962.50,  3757762.50,    31.38,    31.38,    0.00)  DC

S_ONSITE HIGH   1ST HIGH VALUE IS     345.55887  ON 23091118:
AT (  372212.50,  3757962.50,    31.85,    31.85,    0.00)  DC

S_TRVL   HIGH   1ST HIGH VALUE IS     177.86144  ON 19120622: AT
(  372012.50,  3757762.50,    31.63,    31.63,    0.00)  DC

W_OFF    HIGH   1ST HIGH VALUE IS     166.79406  ON 23120916: AT
(  371962.50,  3757762.50,    31.38,    31.38,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

```
 *** AERMOD - VERSION 24142  ***   ***
C:\USERS\M.MCPHERSON\DESKTOP\9000 AIRPORT OPTION 2\9000
AIRPORT OPTI ***        01/29/25
 *** AERMET - VERSION  22112 ***   ***
***        23:33:58

PAGE 300
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

 A Total of           0 Fatal Error Message(s)
 A Total of           5 Warning Message(s)
 A Total of        1453 Informational Message(s)

 A Total of       43824 Hours Were Processed

 A Total of         604 Calm Hours Identified

 A Total of         849 Missing Hours Identified (  1.94 Percent)


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


    ********   WARNING MESSAGES   ********
 SO W320    1569       PPARM: Input Parameter May Be Out-of-Range
for Parameter           VS
 SO W320    1570       PPARM: Input Parameter May Be Out-of-Range
for Parameter           VS
 SO W320    1571       PPARM: Input Parameter May Be Out-of-Range
for Parameter           VS
 ME W186    2563      MEOPEN: THRESH_1MIN 1-min ASOS wind
speed threshold used          0.50
 ME W187    2563      MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

    *************************************
    *** AERMOD Finishes Successfully ***
    *************************************
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